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FIG.1

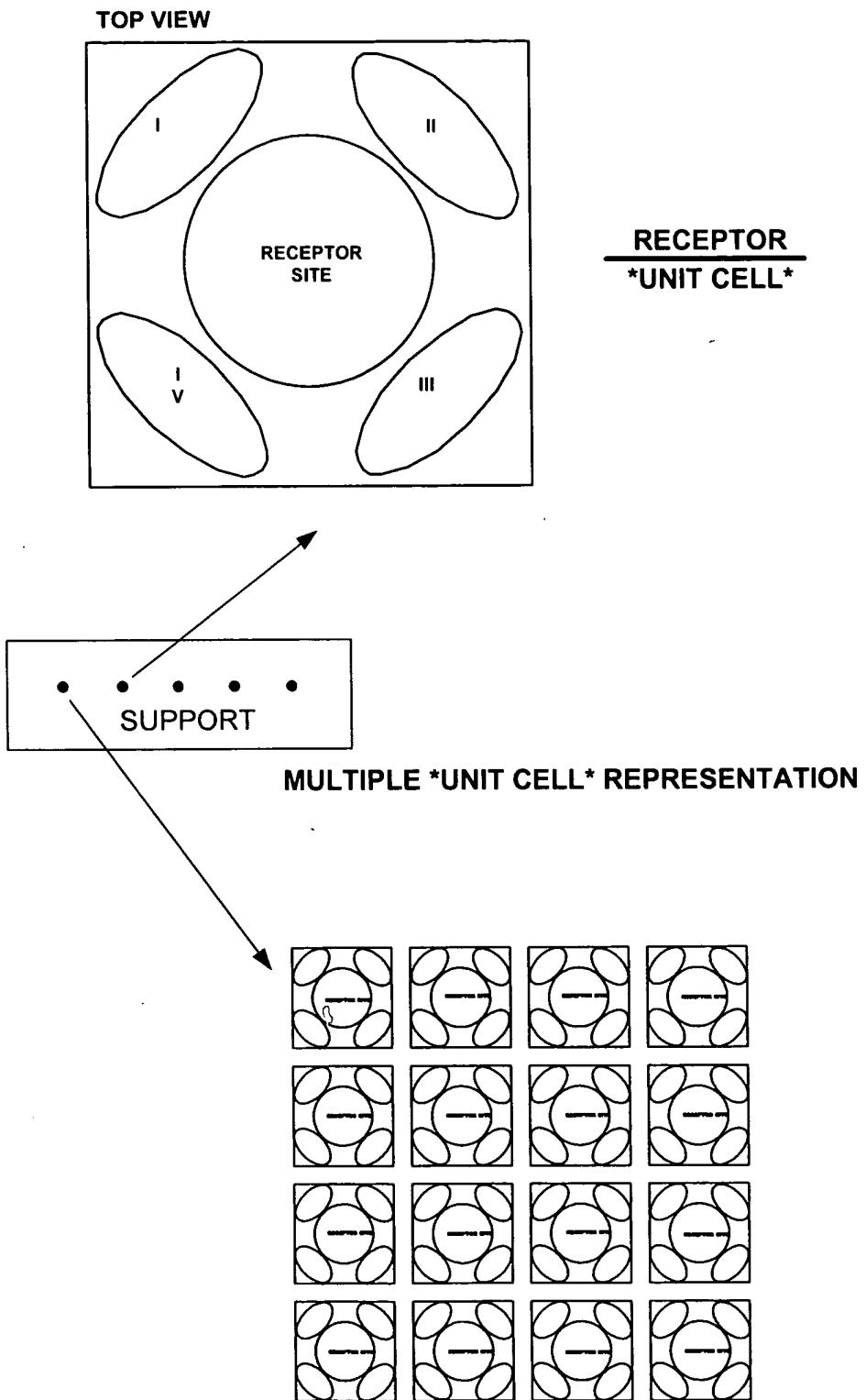
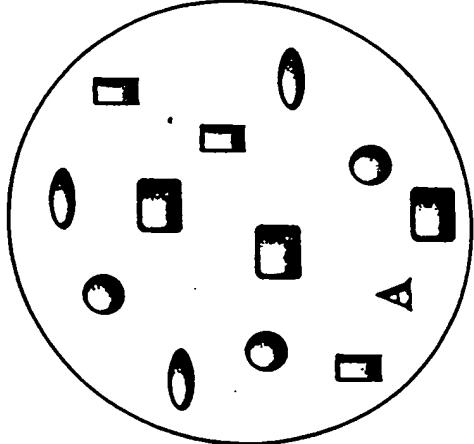


FIG 2

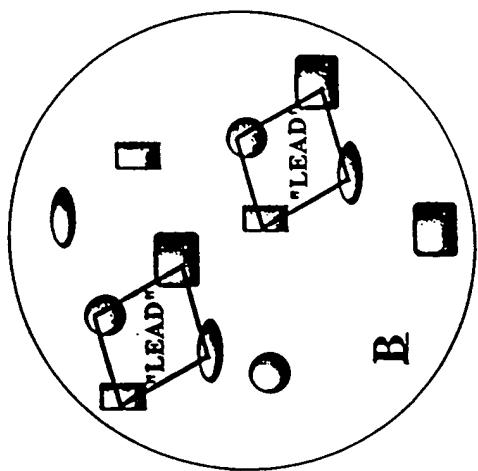
RANDOM DISTRIBUTION



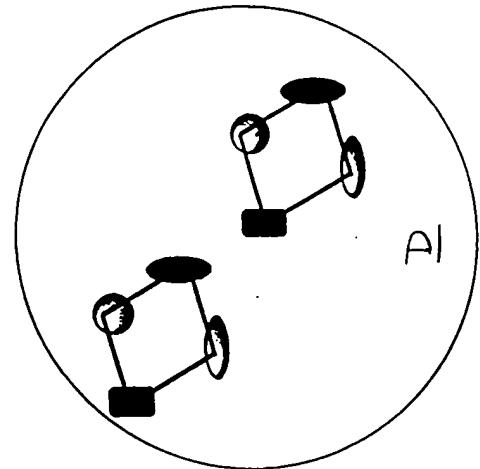
LIGAND

(1)
Bind
→
(2)
SHUFFLE

EQUILIBRIUM BINDING DISTRIBUTION



"LEAD"
"LIGAND"



(3)
EXCHANGE

SHUFFLE
AND
EXCHANGE

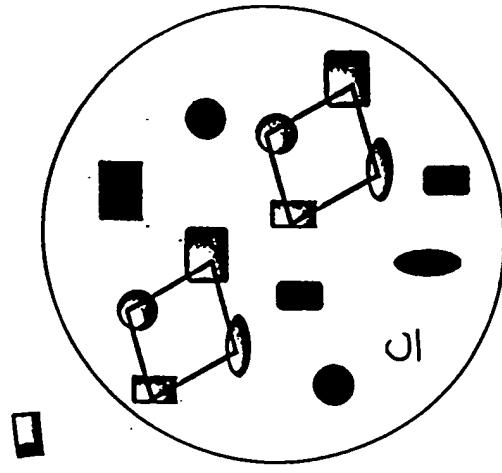


FIG.3A

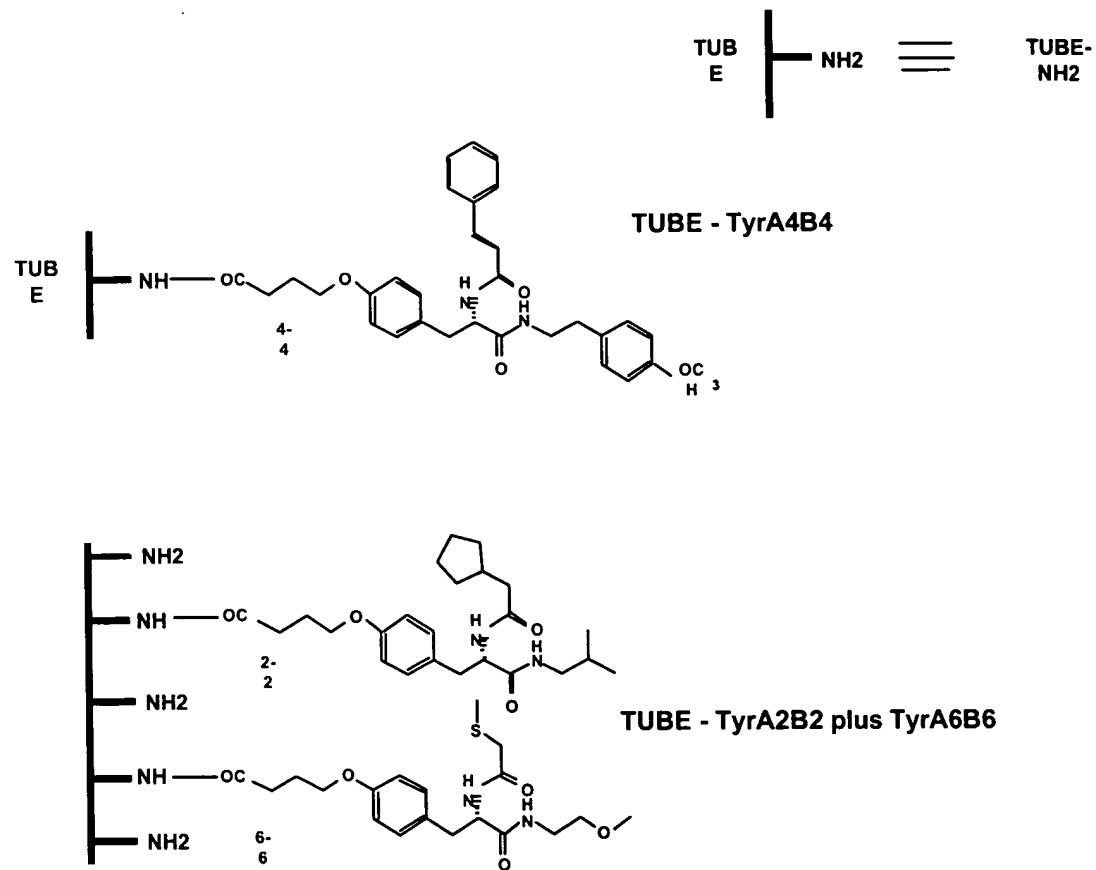


FIG.3B

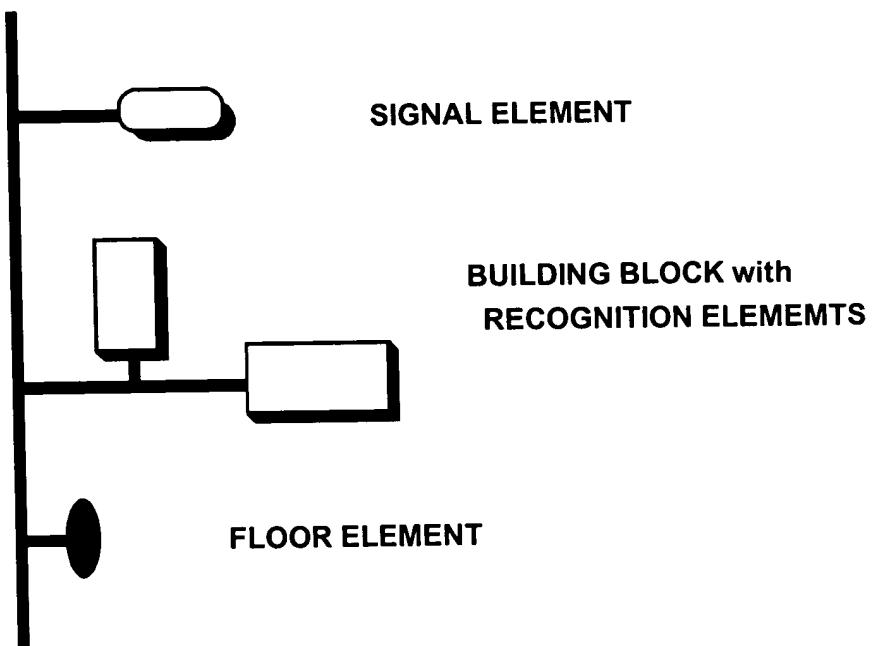


FIG.4

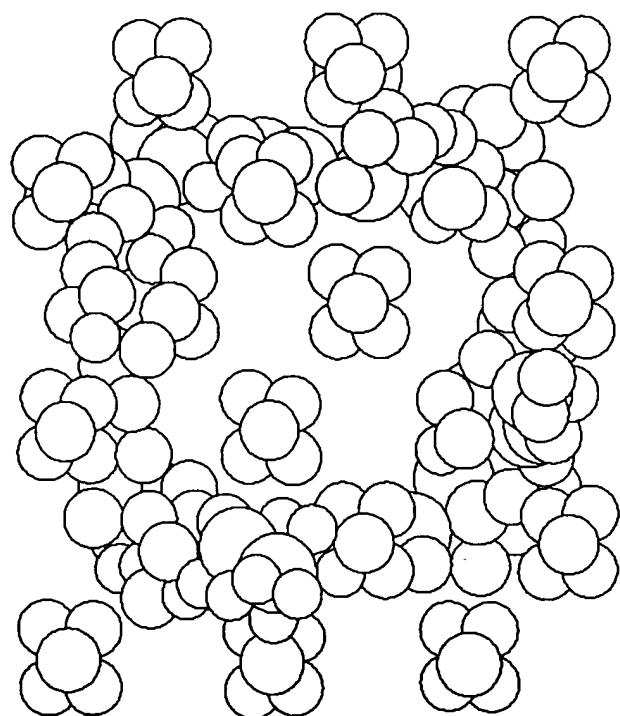


FIG.5

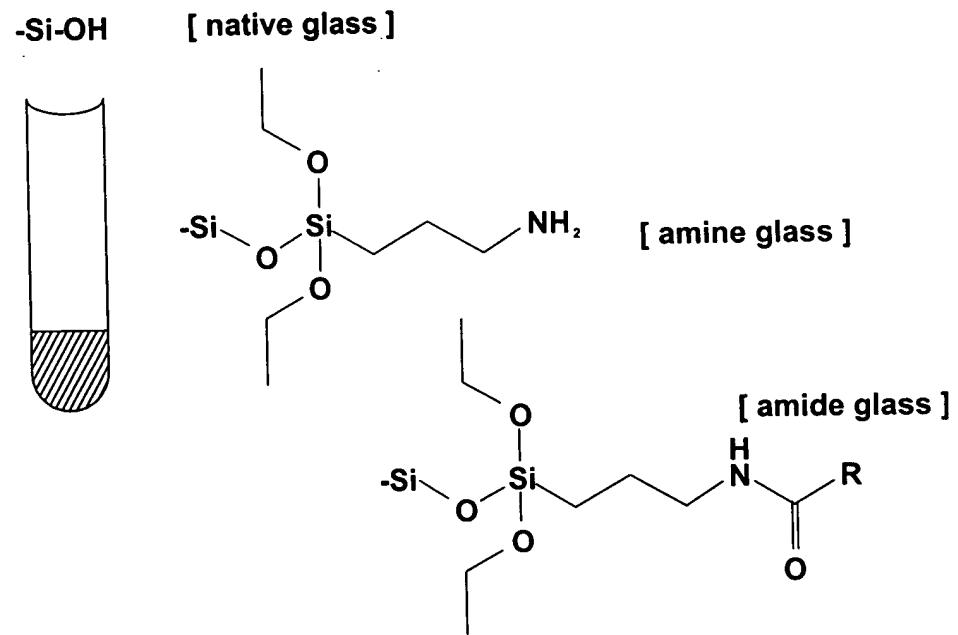


FIG.6

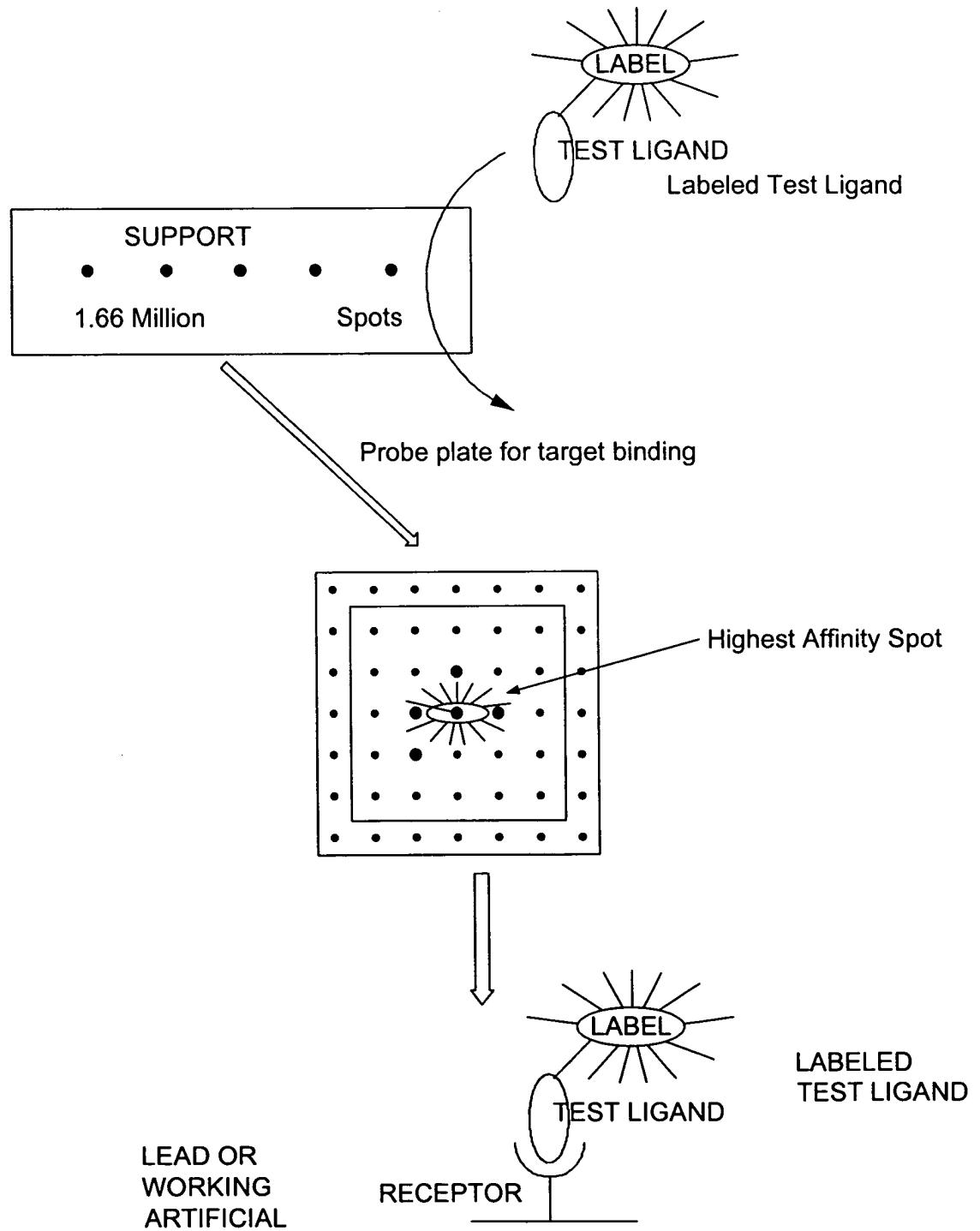


FIG. 7

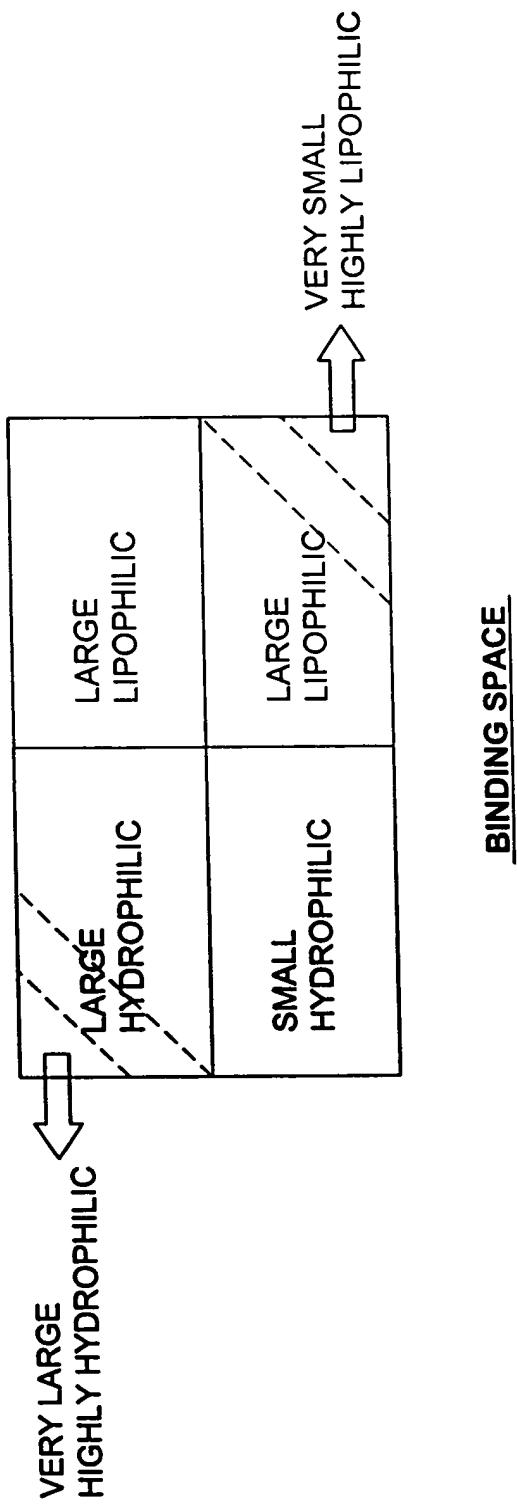


FIG. 8

LOGP versus VOLUME

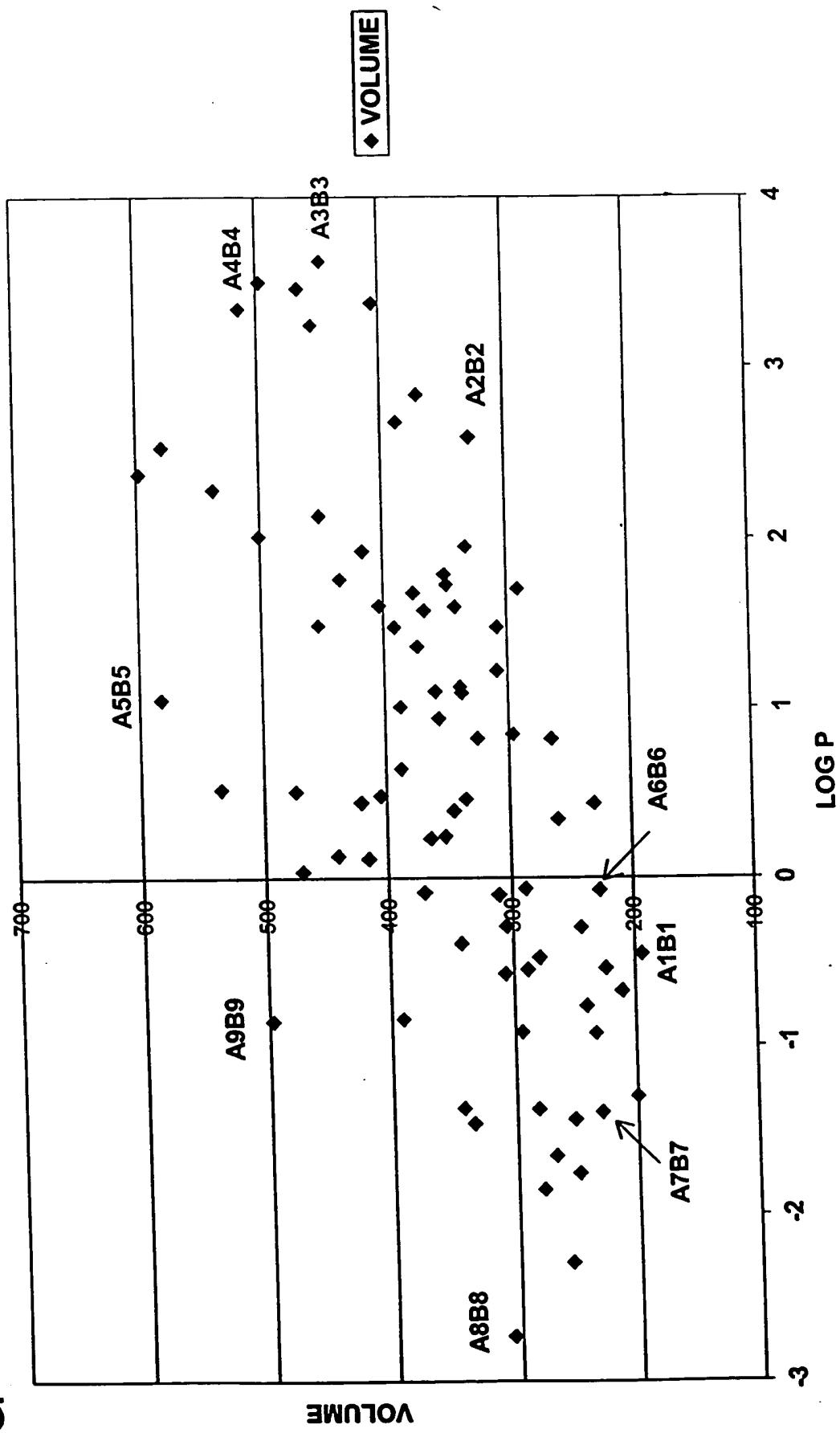


FIG Q A

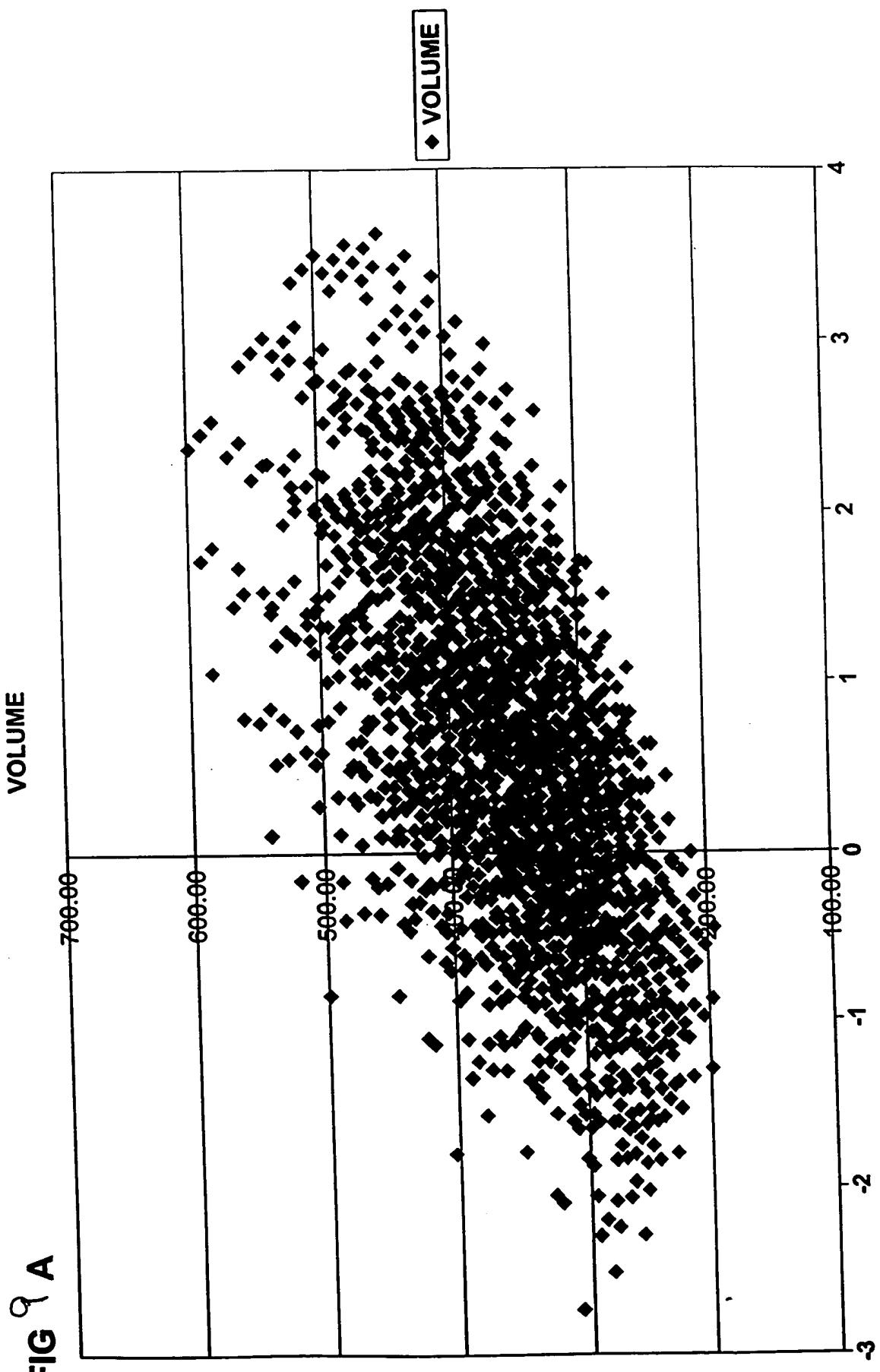


FIG Q B

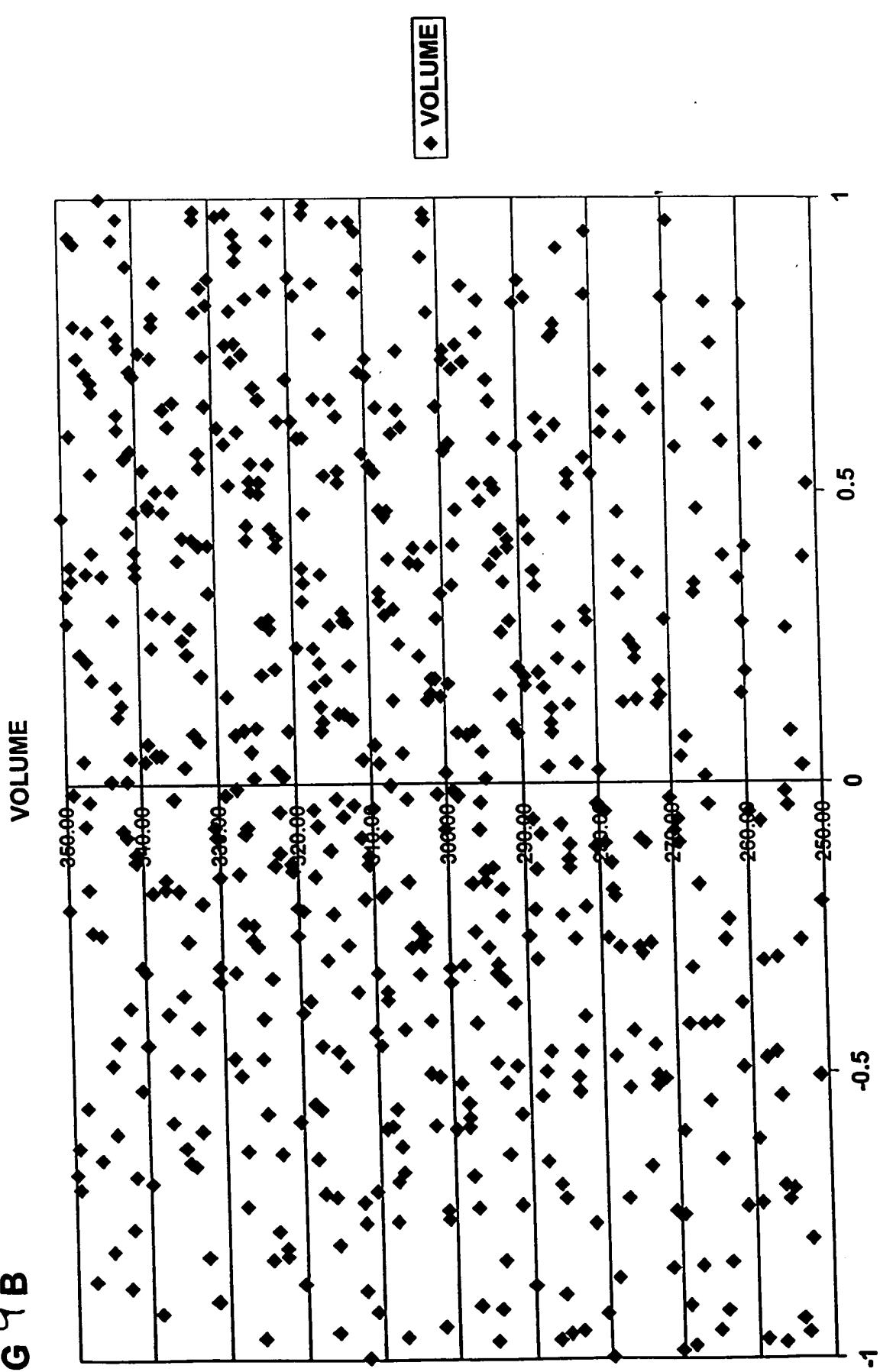


FIG. 10

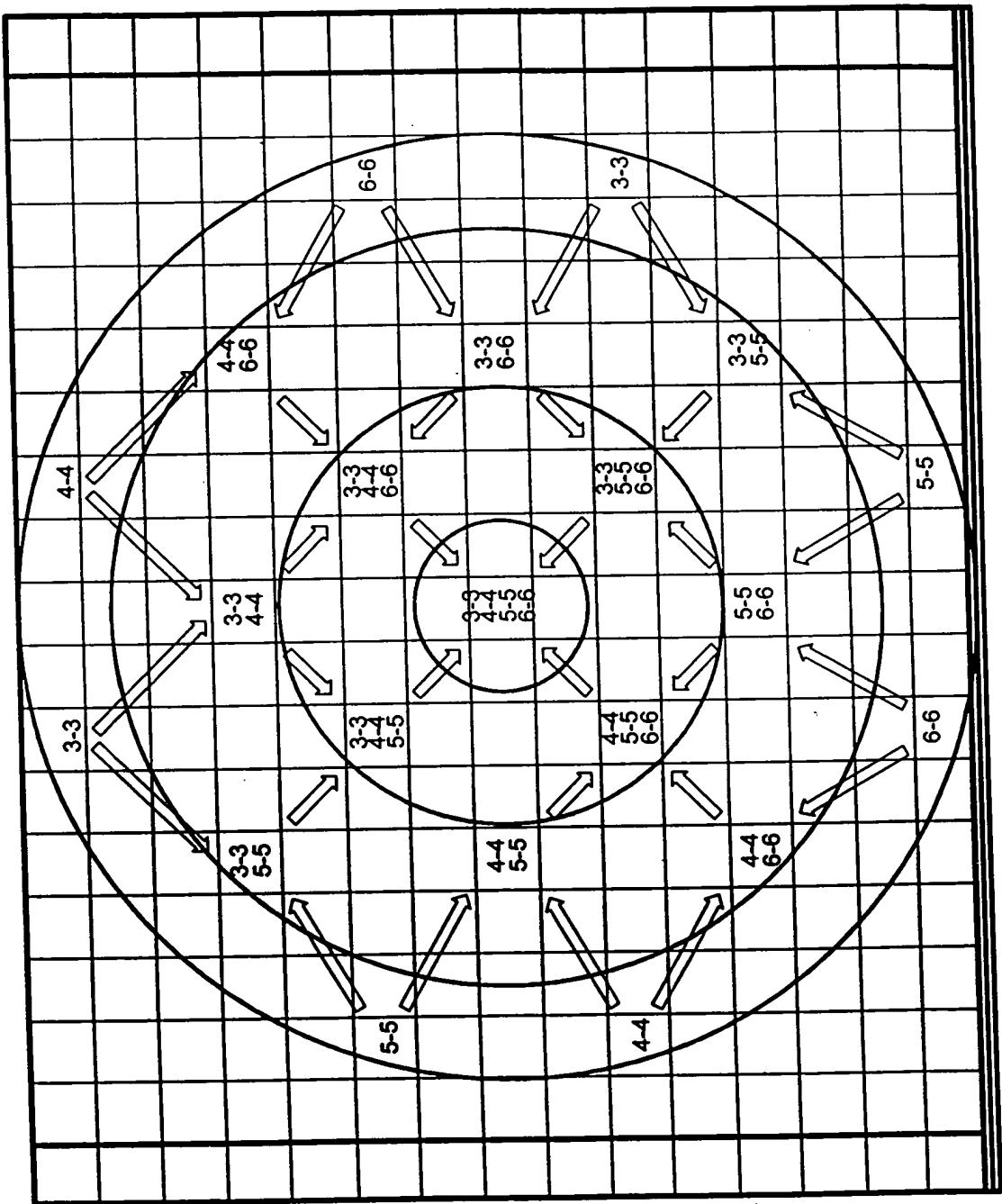


FIG. 1

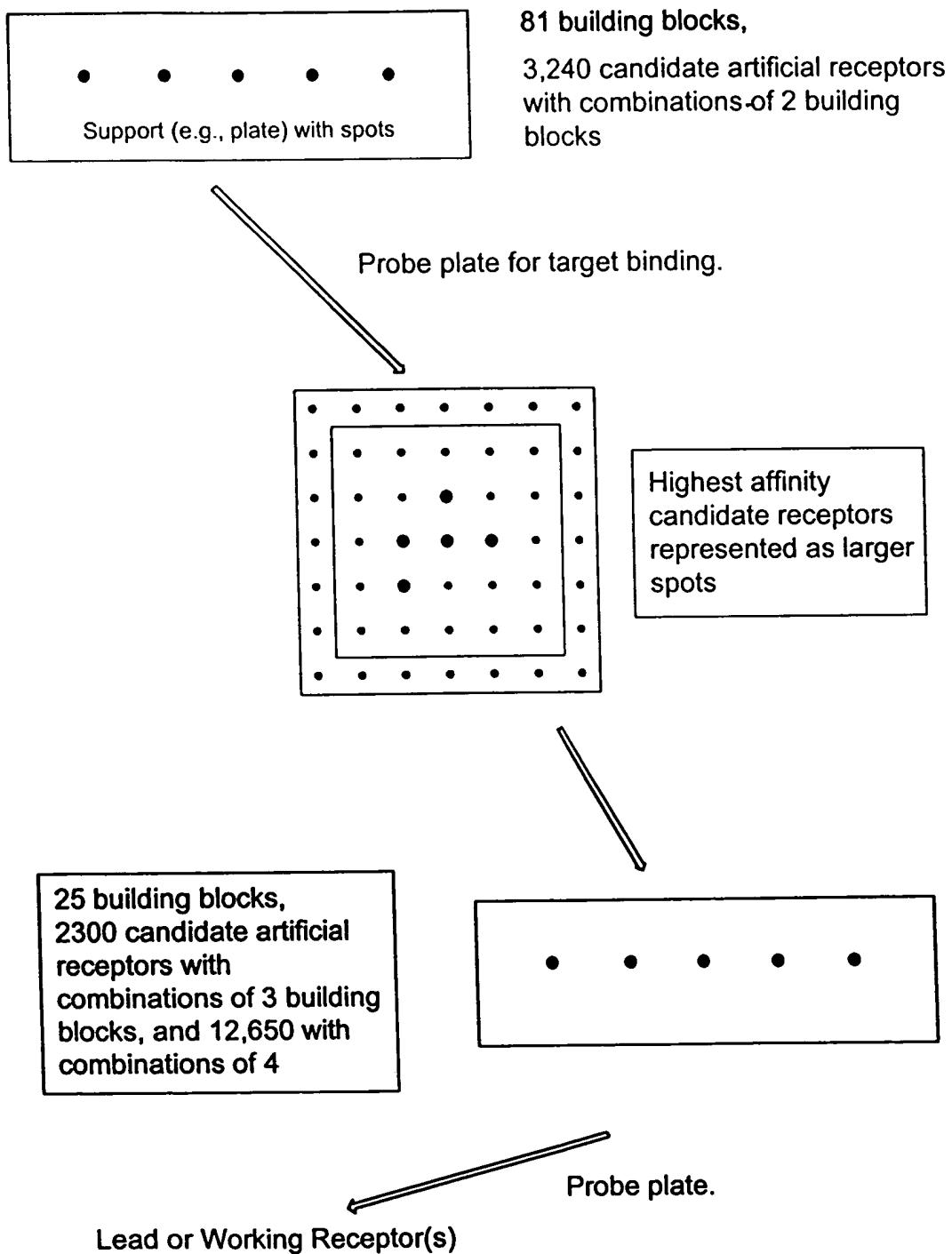
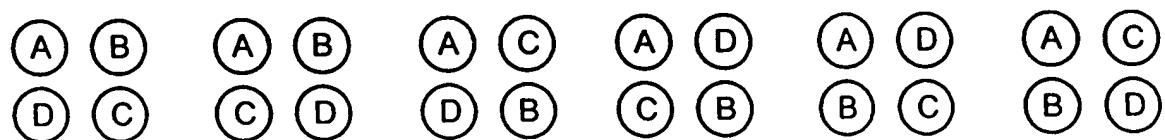


FIG 12

6 POSITIONAL ISOMERS OF 4 BUILDING BLOCKS AT VERTICES OF A QUADRILATERAL



POSITIONAL ISOMERS ON A SCAFFOLD

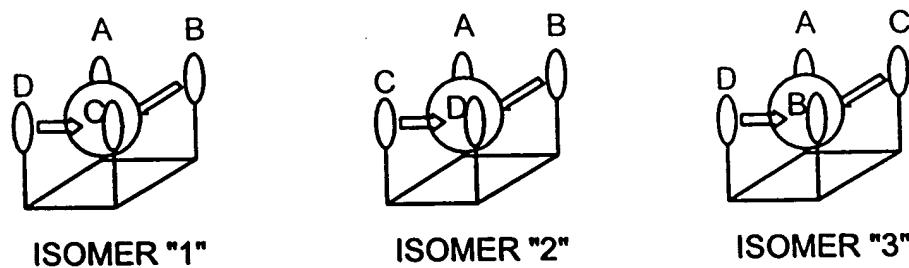


FIG. 13 A

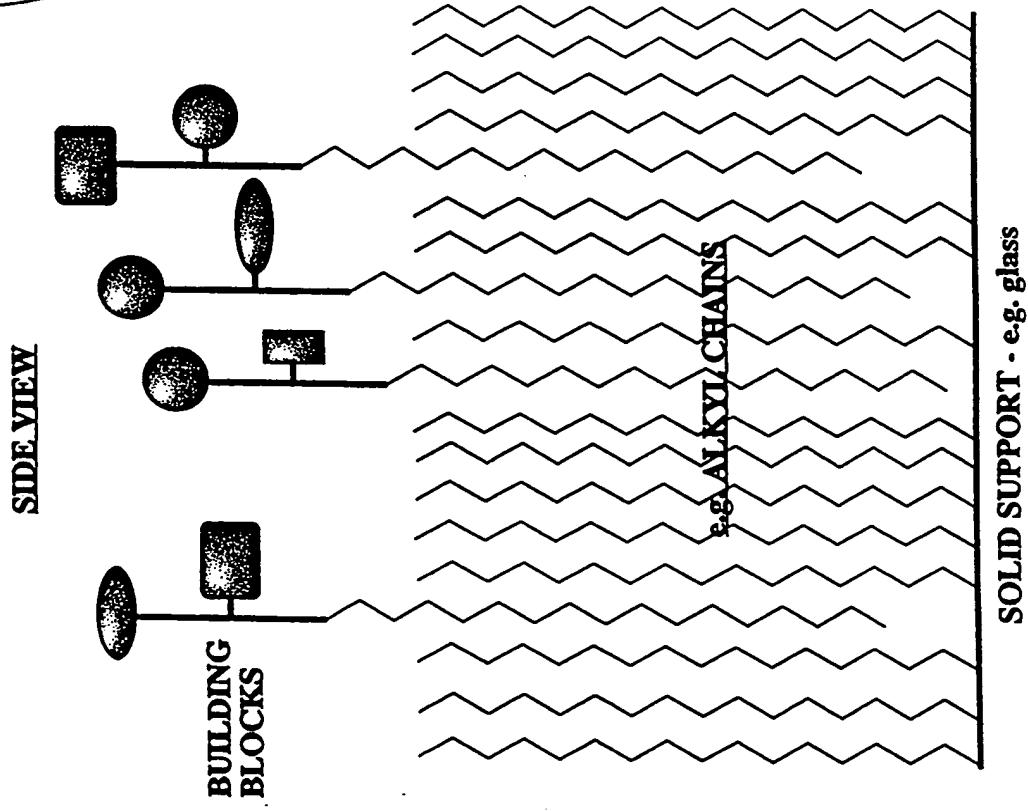


FIG. 13 B

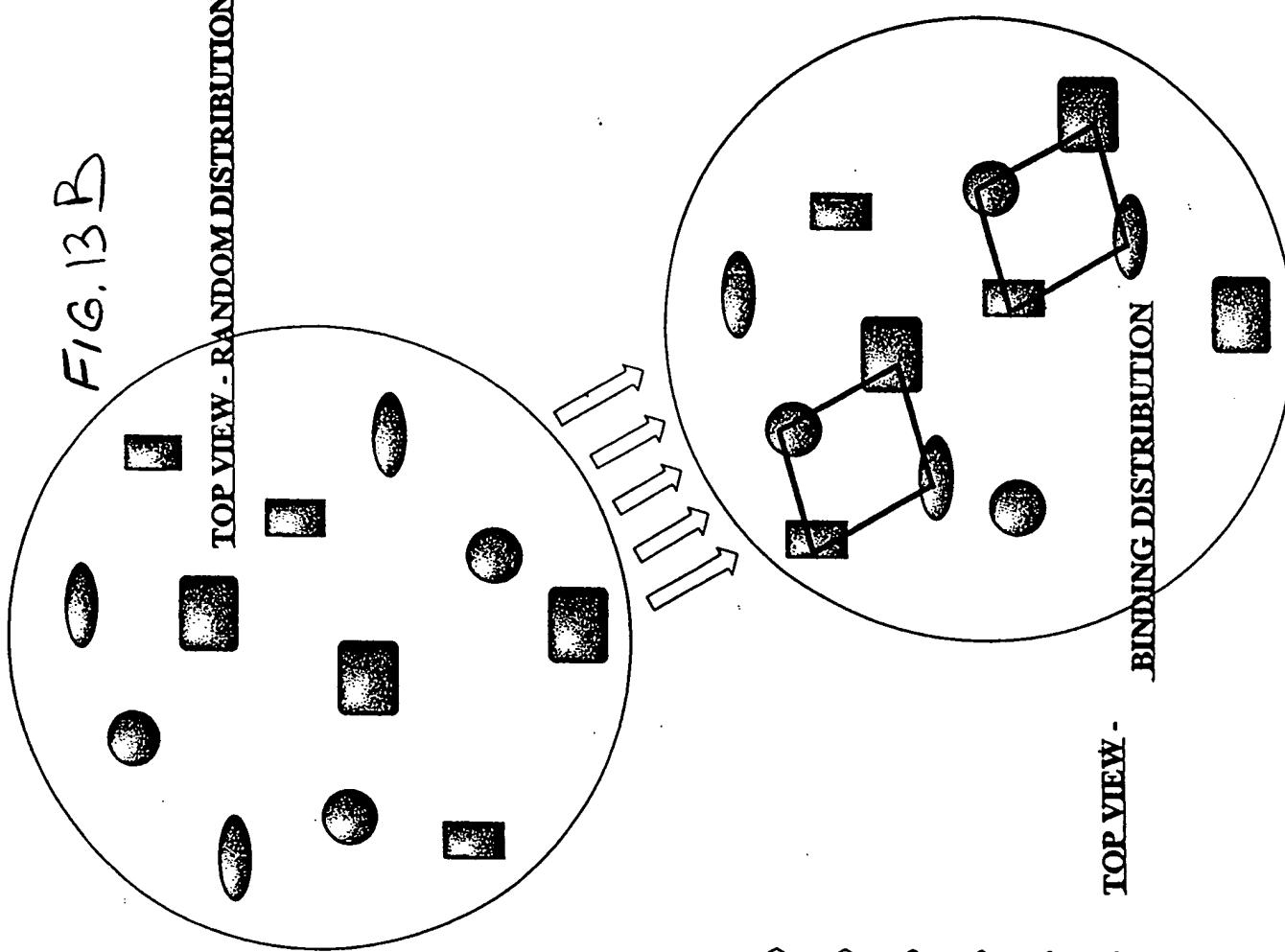
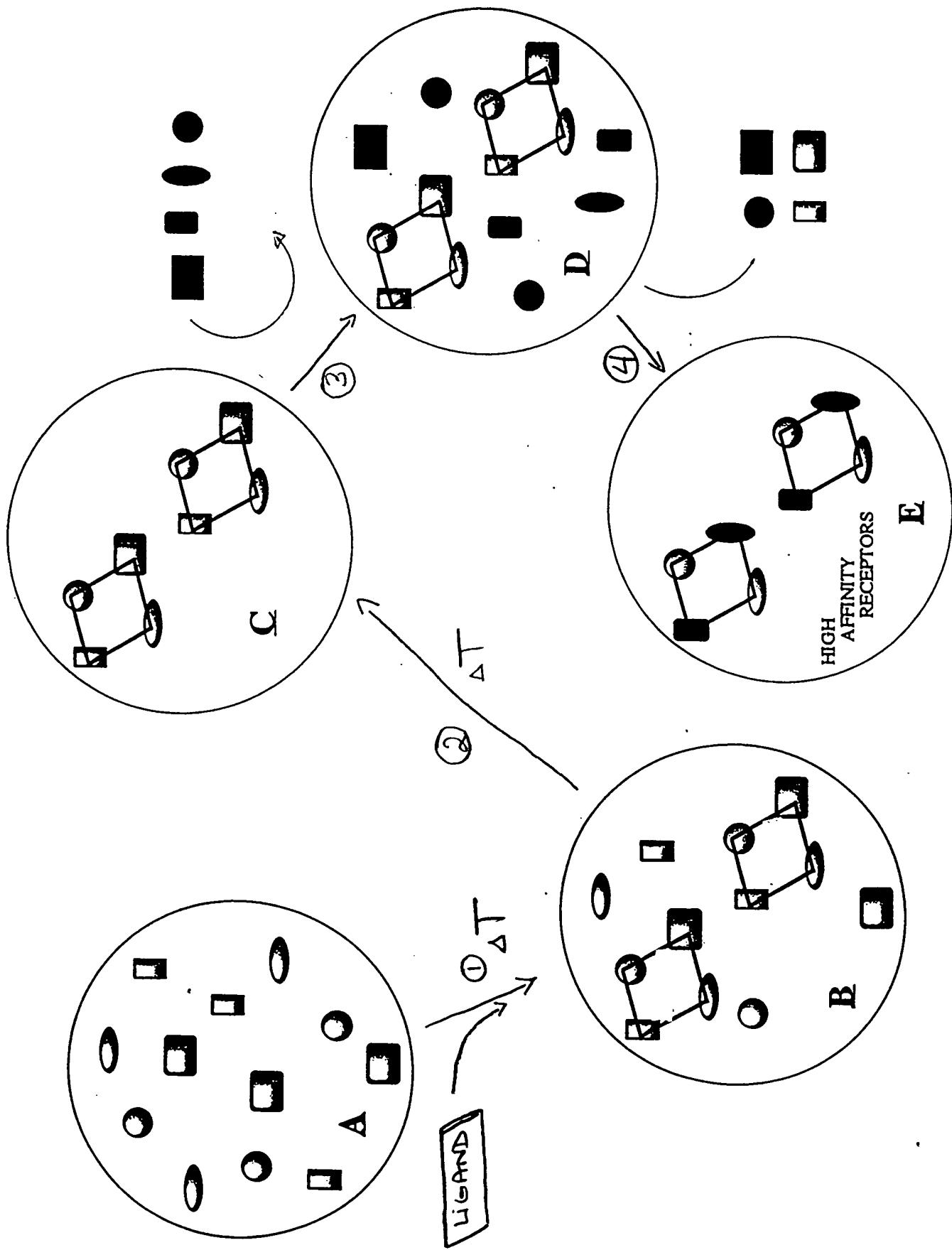
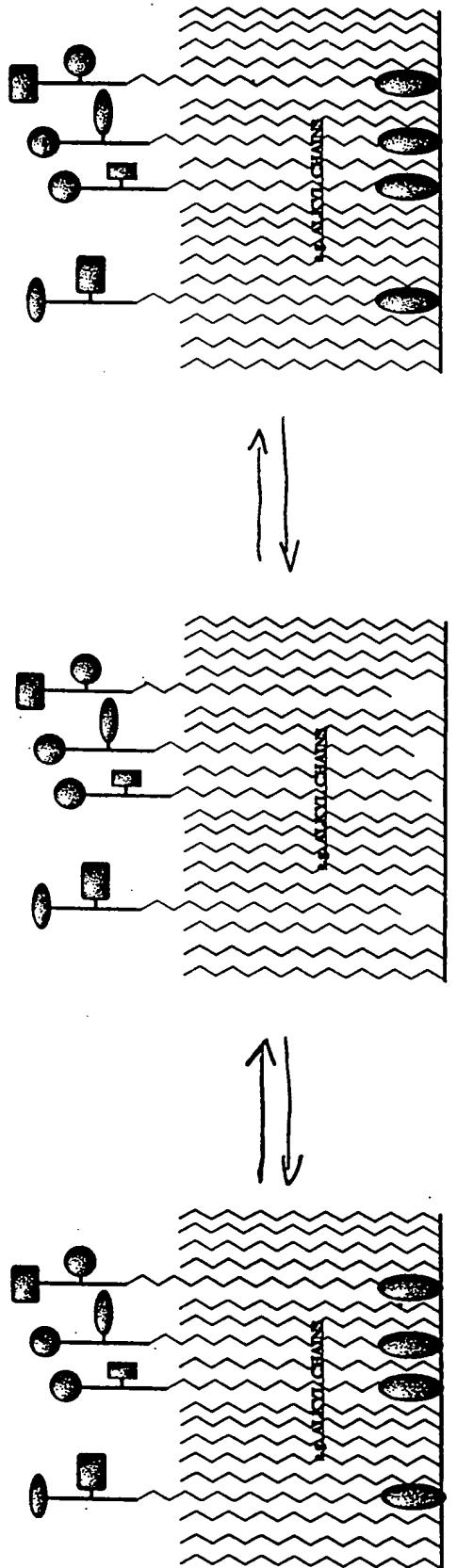


FIG 14

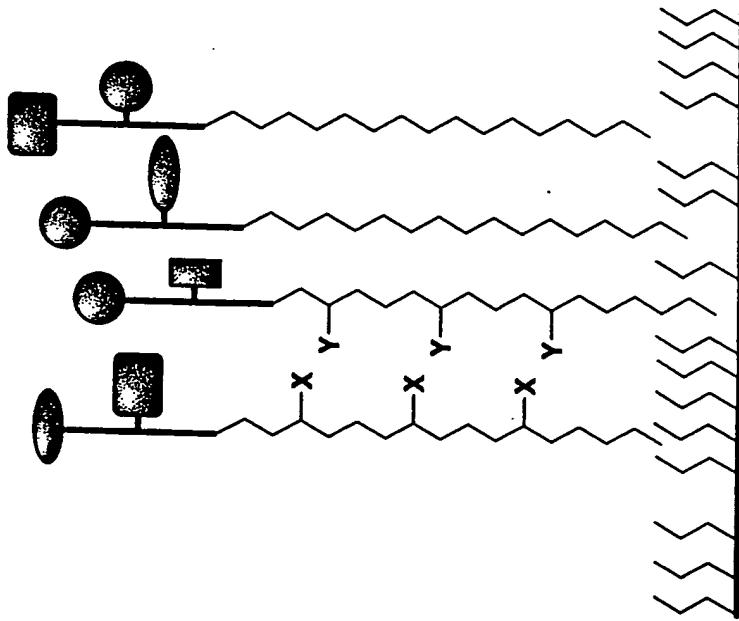


Figs 15

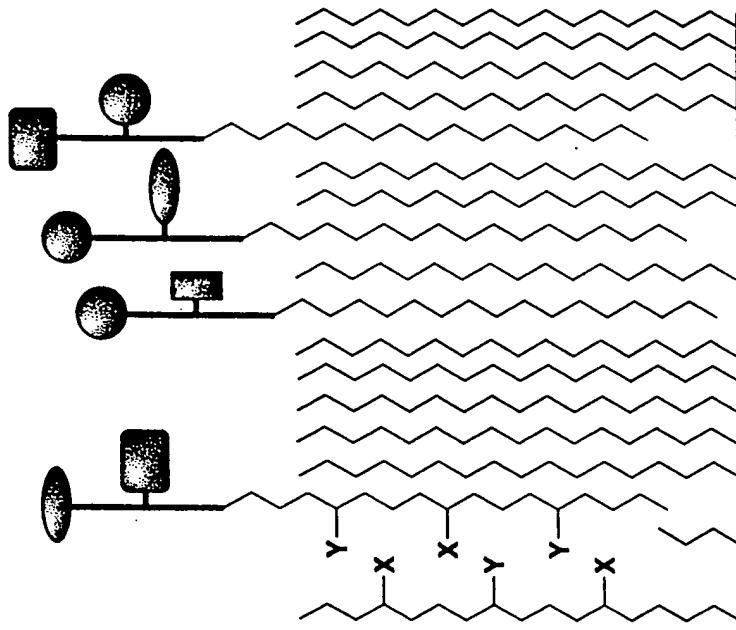


● = reversible bond

FIG 16



A



B

Fig 17

N = 81 Building Blocks	
n=3 =>	85,320
n=4 =>	1,663,740
n=5 =>	25,621,596
n=6 =>	328,810,482
n=7 =>	3,522,969,450
n=8 =>	32,587,467,412

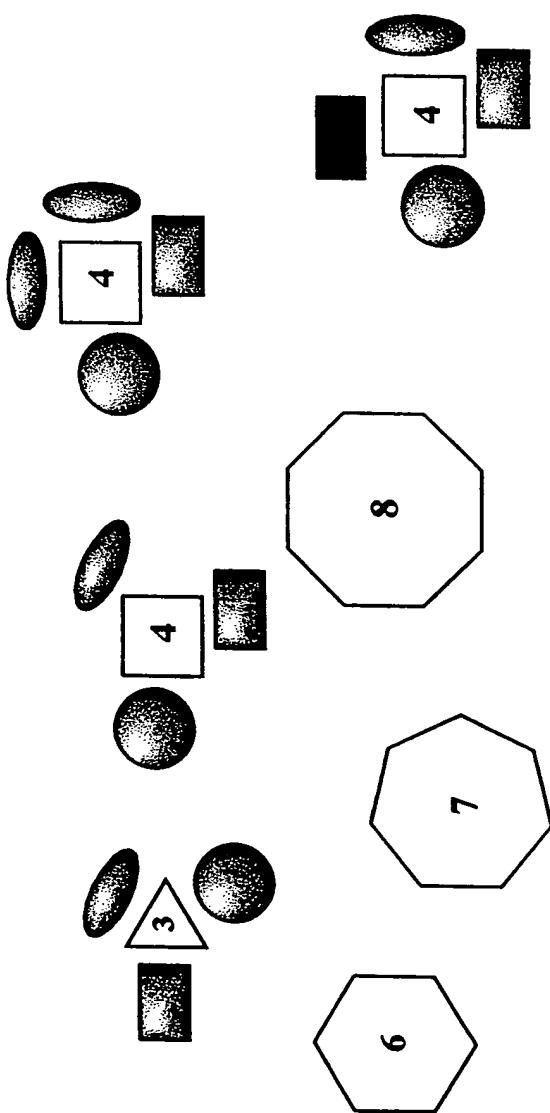


FIG. 18

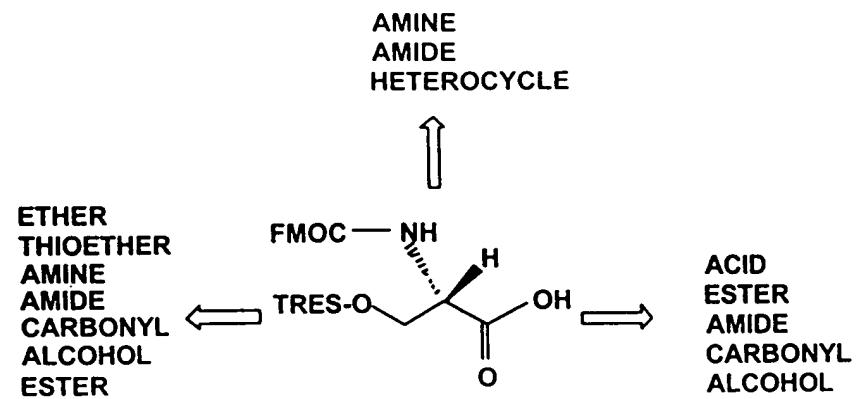


FIG. 19

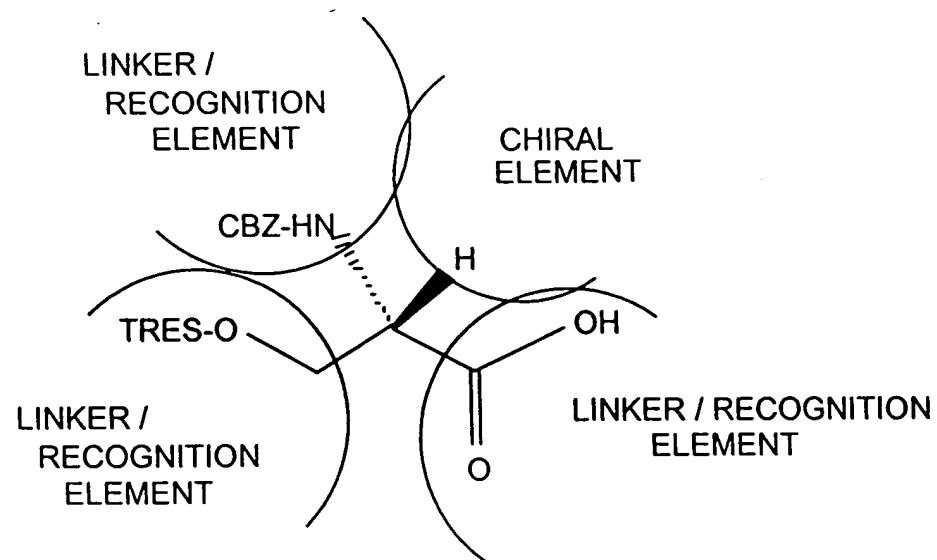


FIG. 20

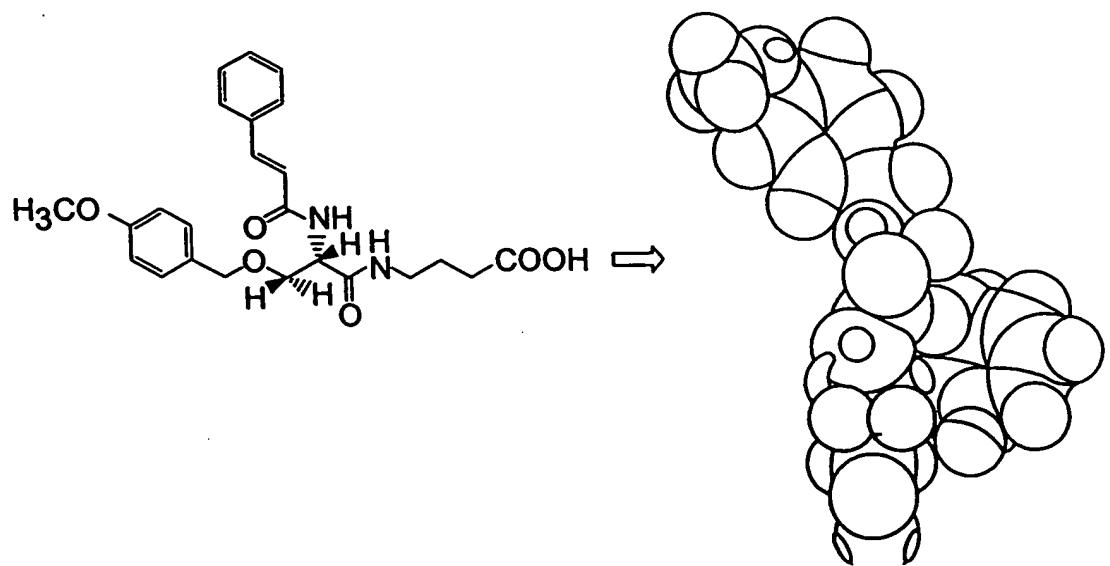
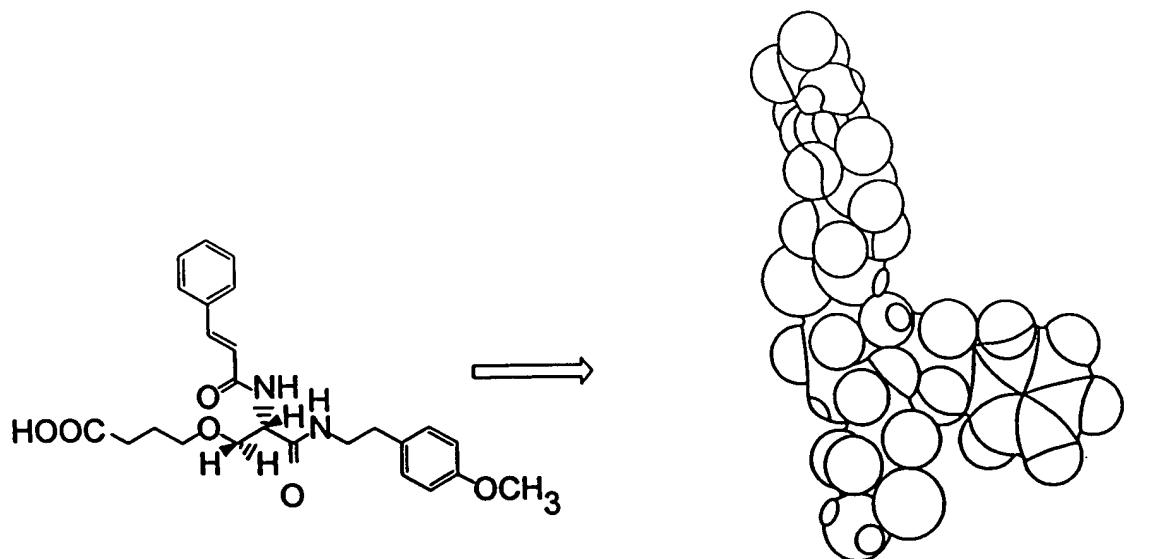
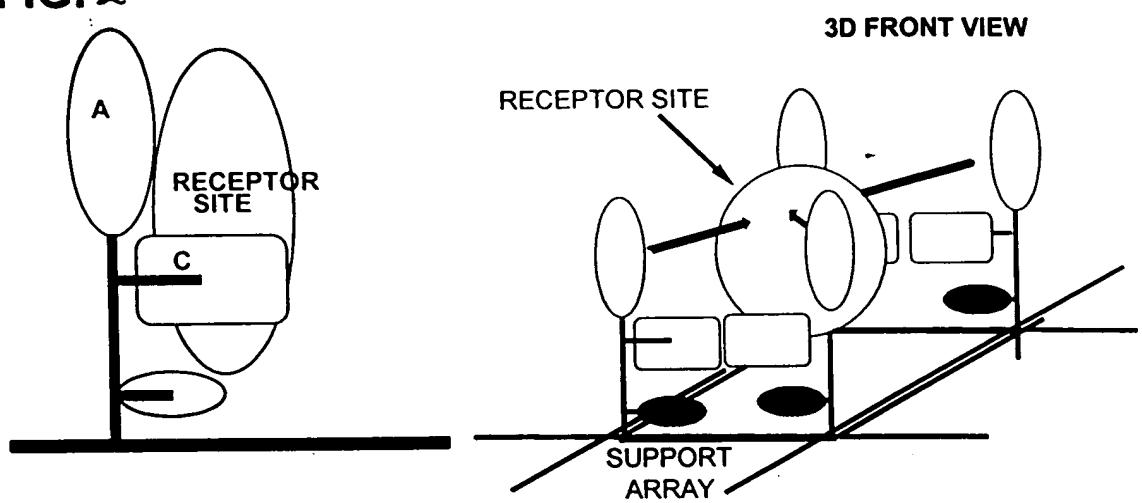


FIG. 2

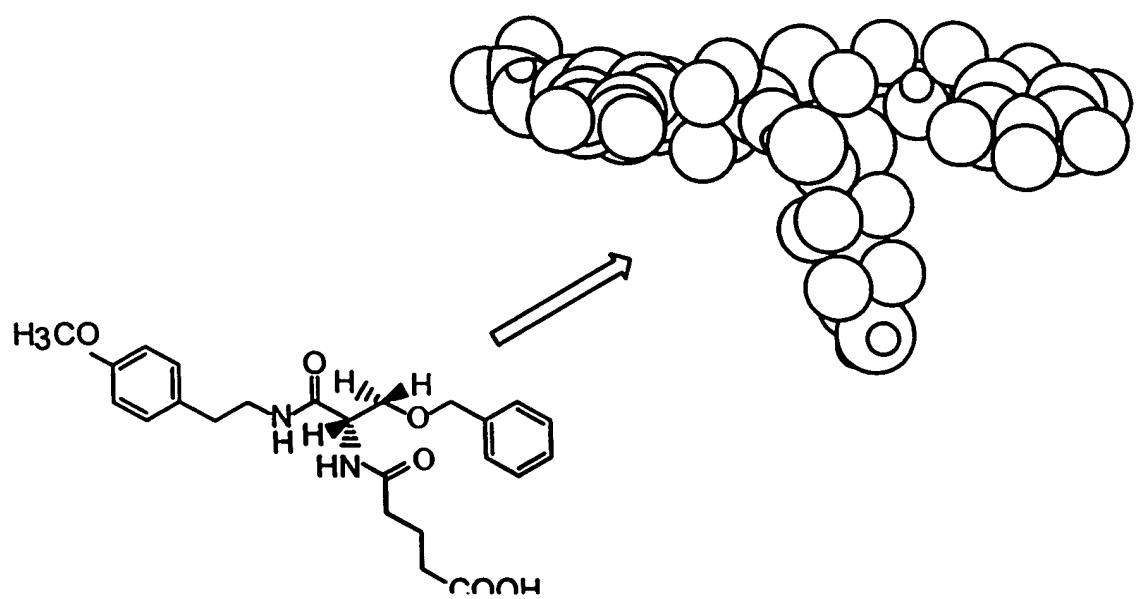
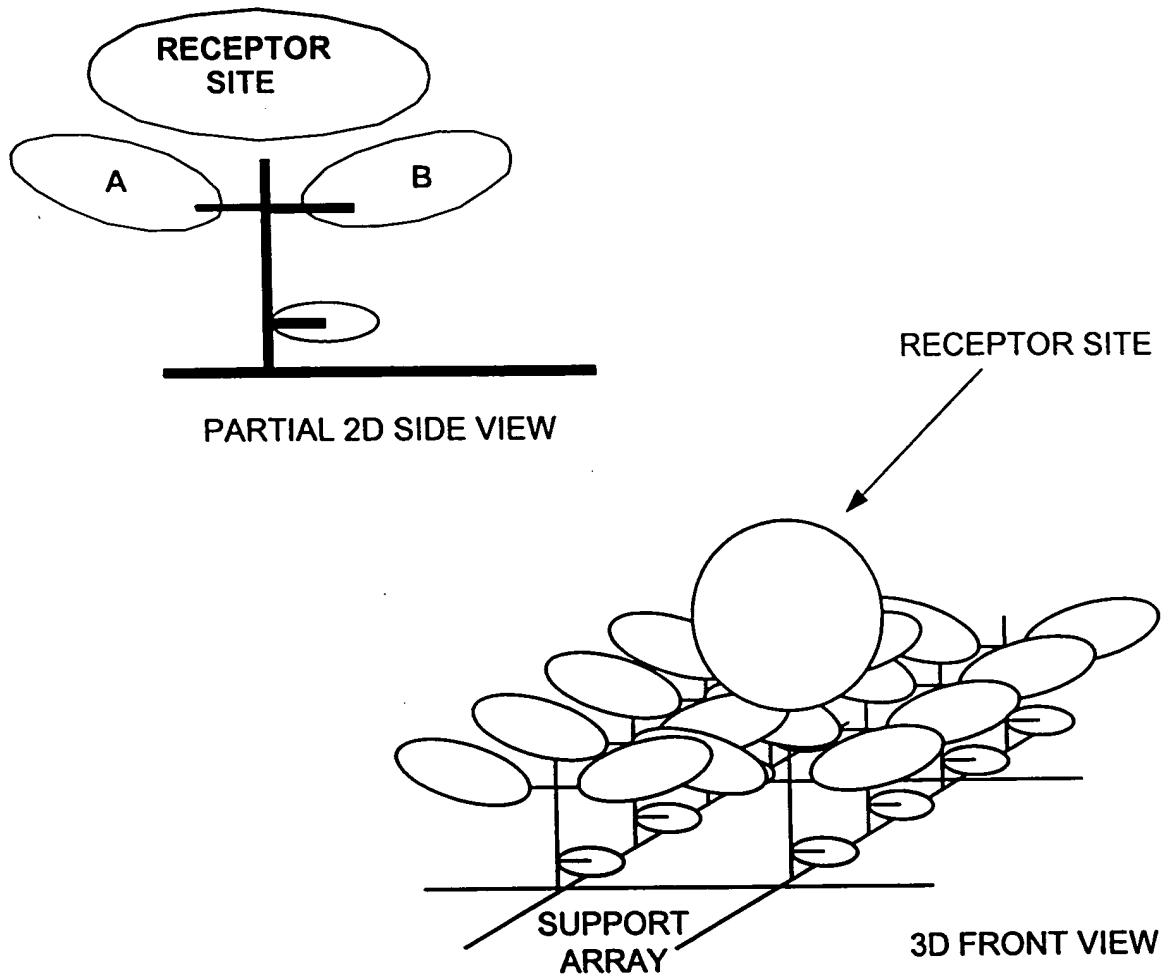
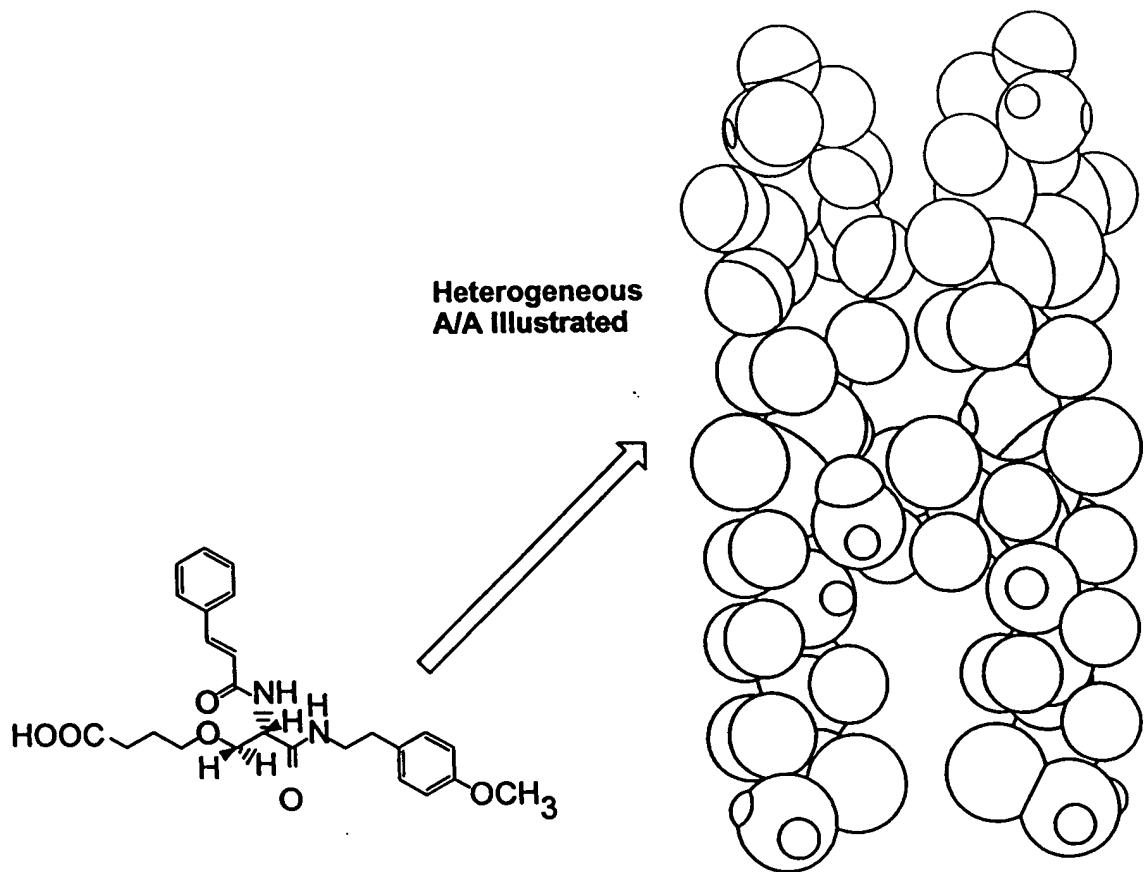
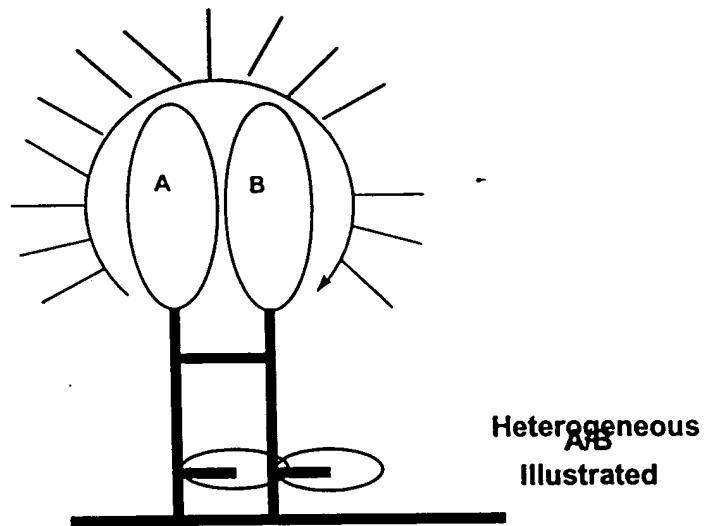


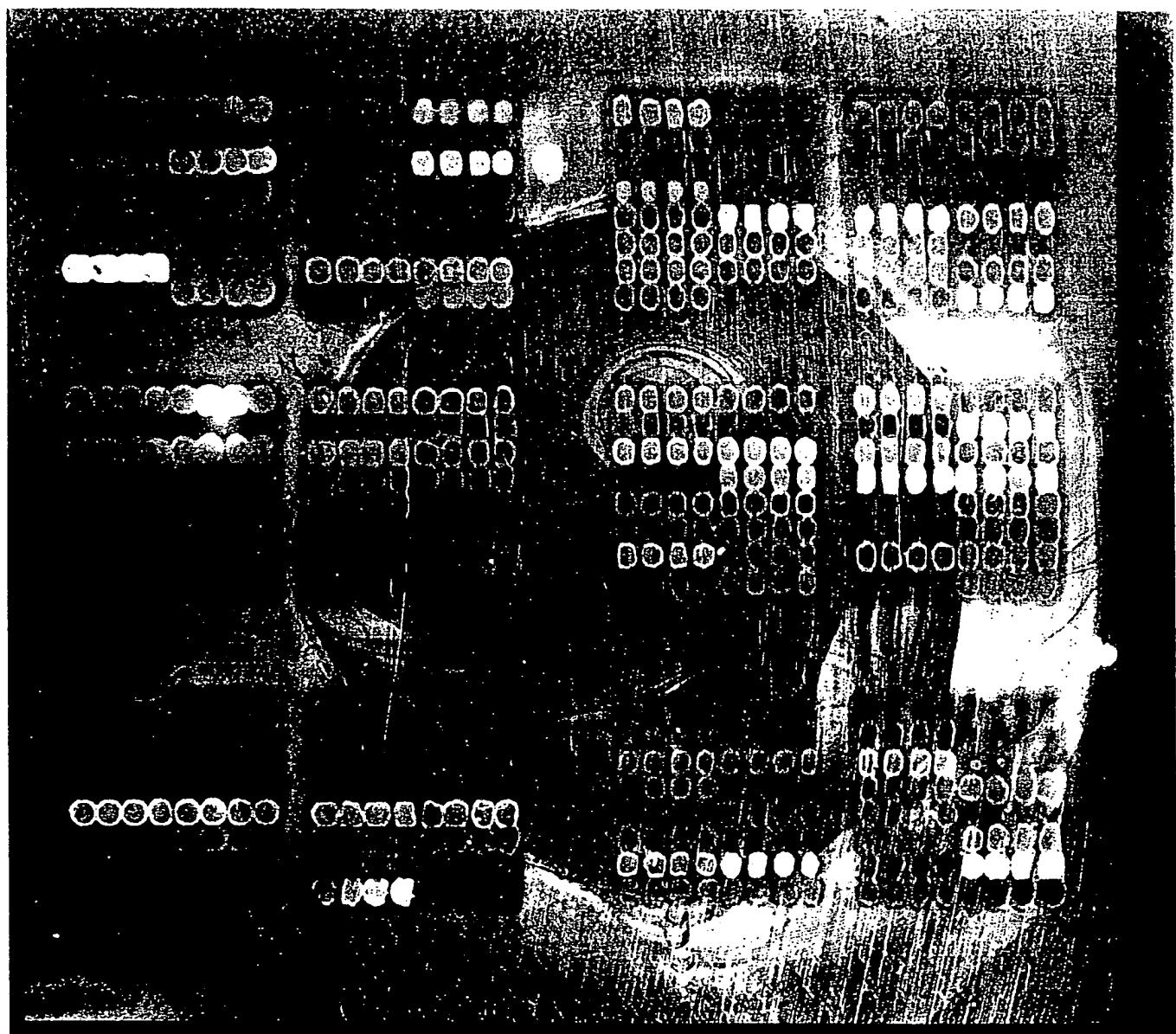
FIG. 22



GenePix Image - Wavelength 532

Period	Mean	SD	Min	Max
Pre-treatment	1.00	0.00	1.00	1.00
Post-treatment	1.00	0.00	1.00	1.00
Follow-up	1.00	0.00	1.00	1.00
Post-treatment	1.00	0.00	1.00	1.00

FIGURE 23 A GRAY SCALE IMAGE OF A 2 ug/ml r-PHYCOERYTHRIN CARA MICROARRAY.



2003/09/02 11:14:50

Fig. 24
2D plot

R-PHYCOERYTHRIN

PHYCO

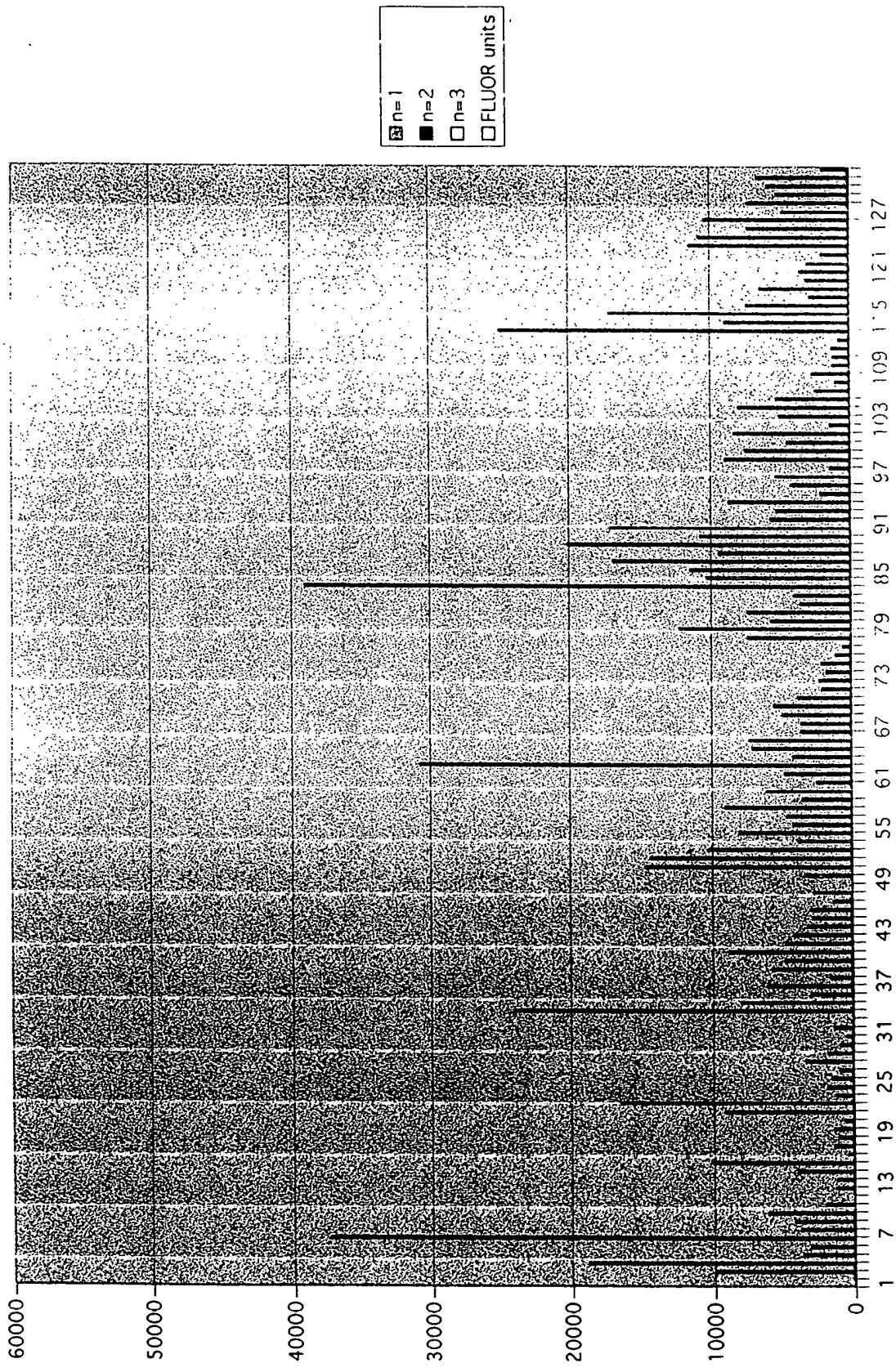


Figure 25
3D plot

R-Phycoerytherin

N9 : PHYCO : n=1, n=2, n=3

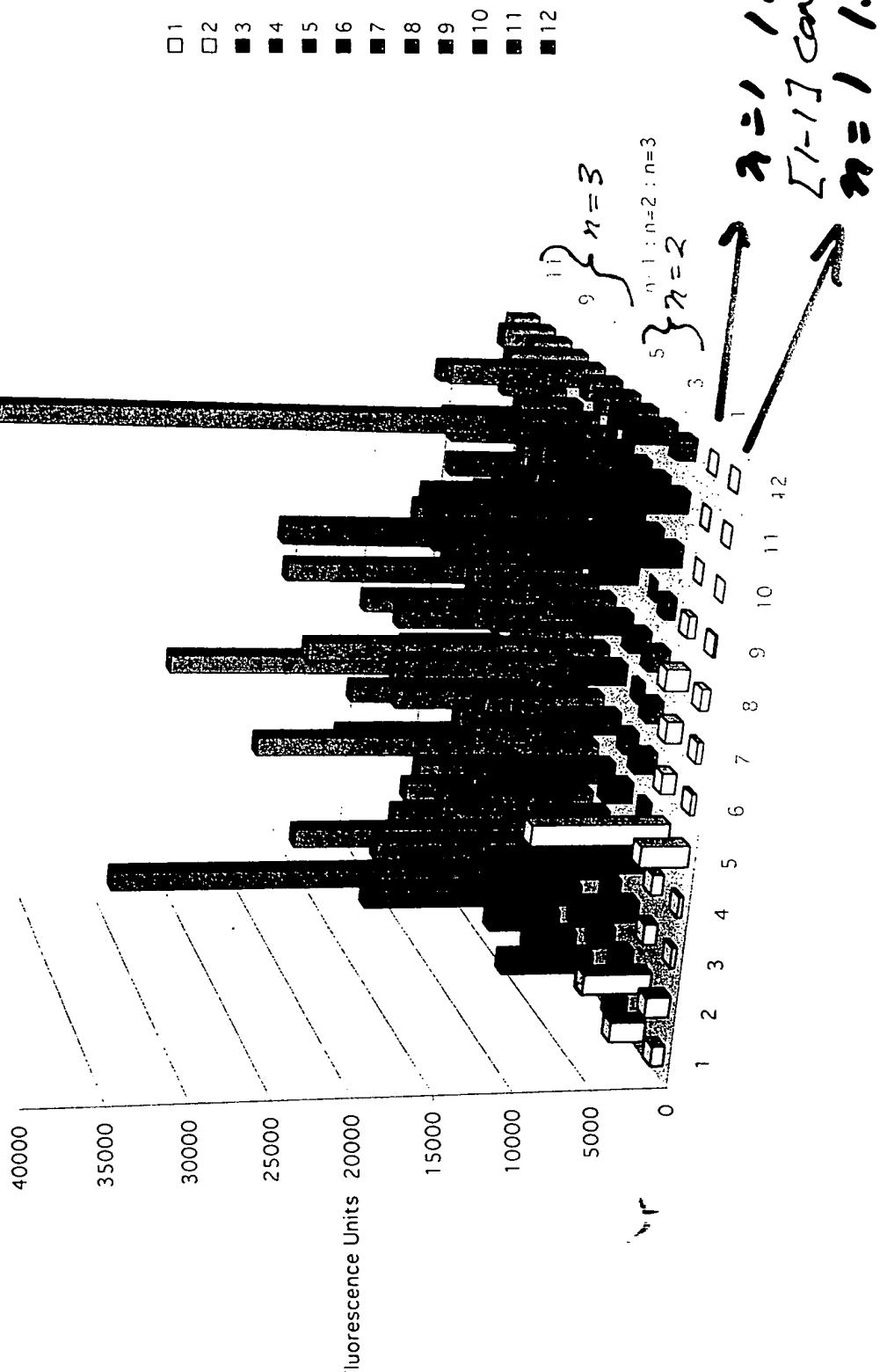


Figure 26
2D Plot
Ovalbumin
OVAL1

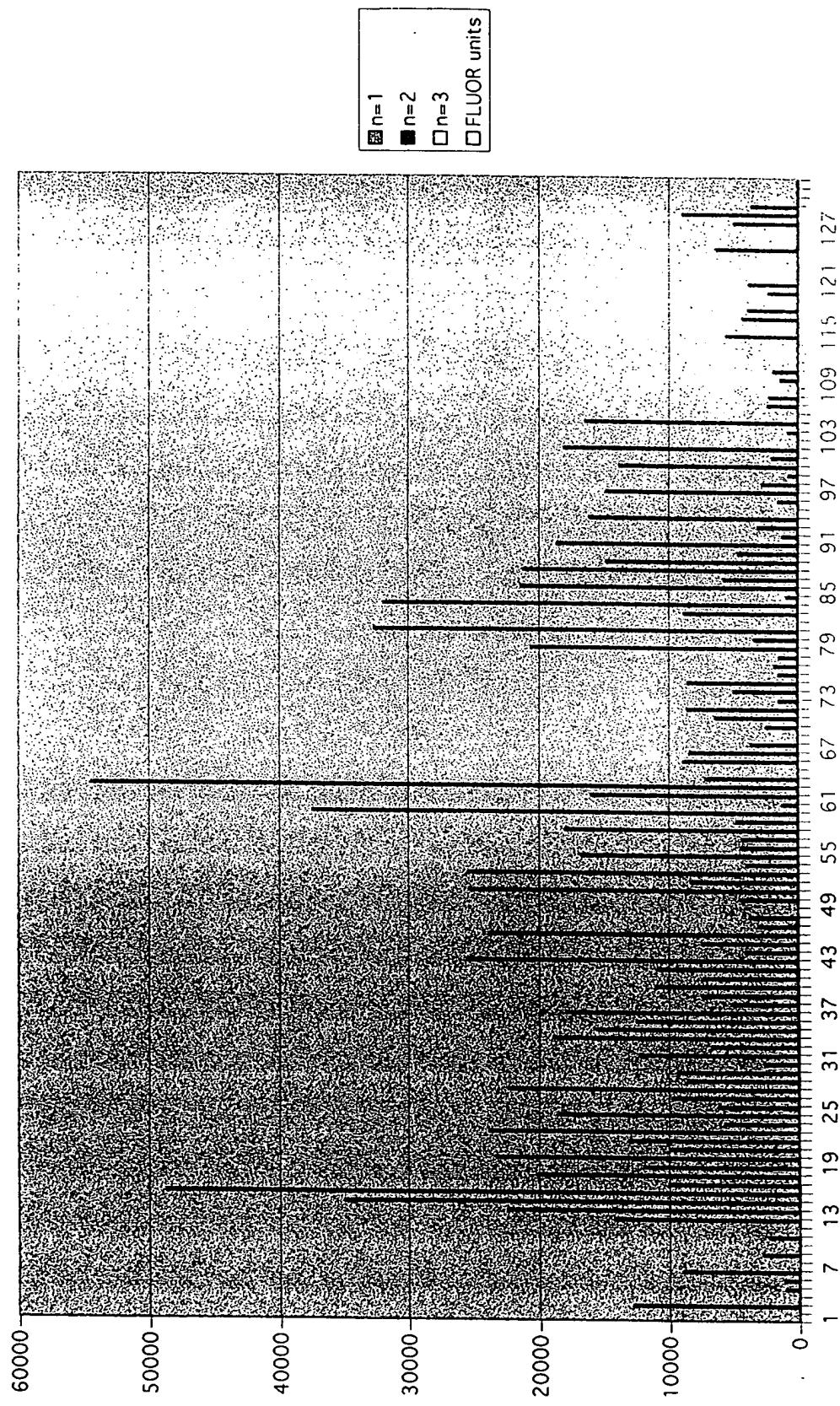
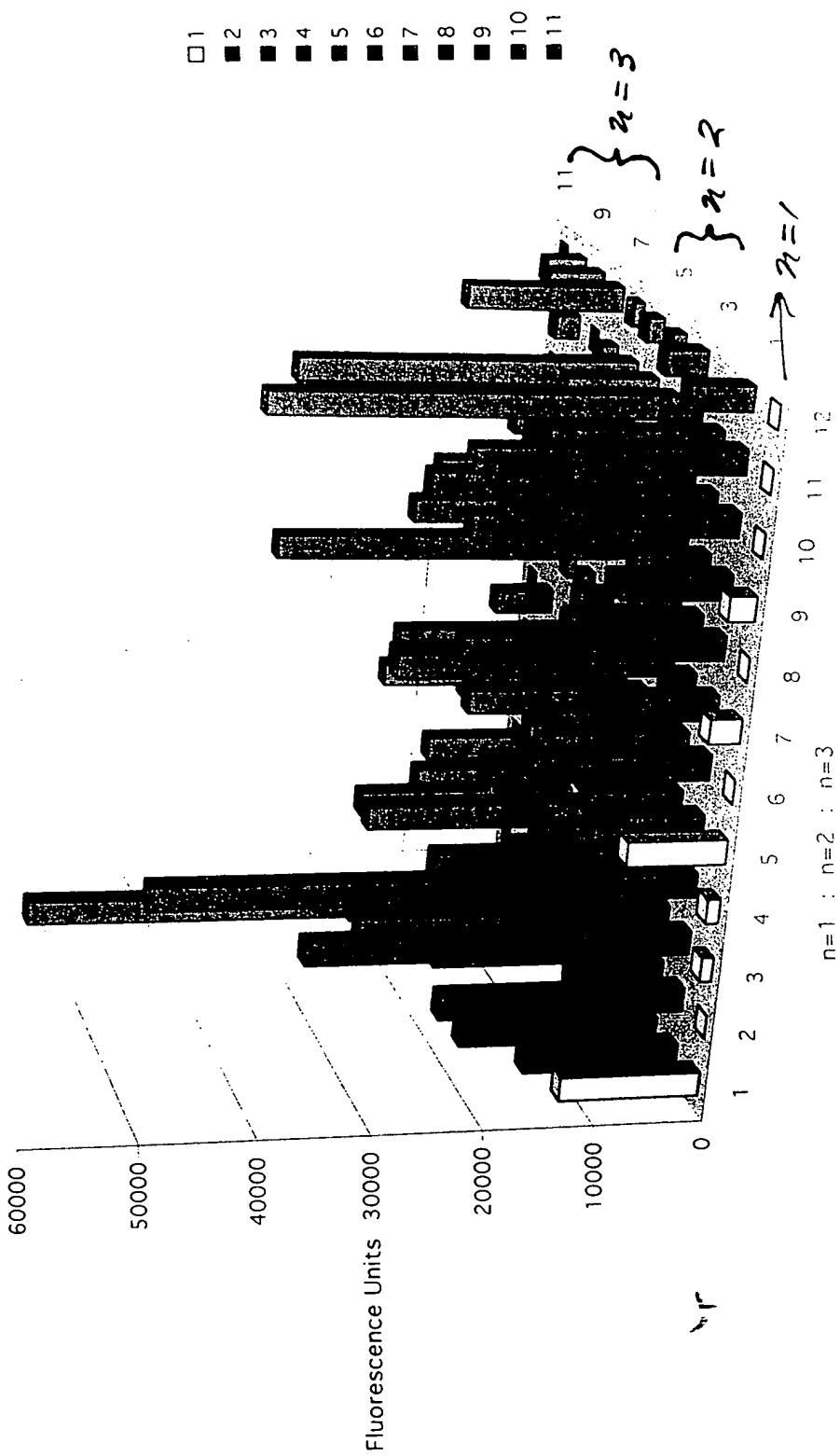


FIGURE 27
3D plot

Oval 3a min

$N=9$ $n=1$, $n=2$, $n=3$ COMBINATIONS OVAL 1



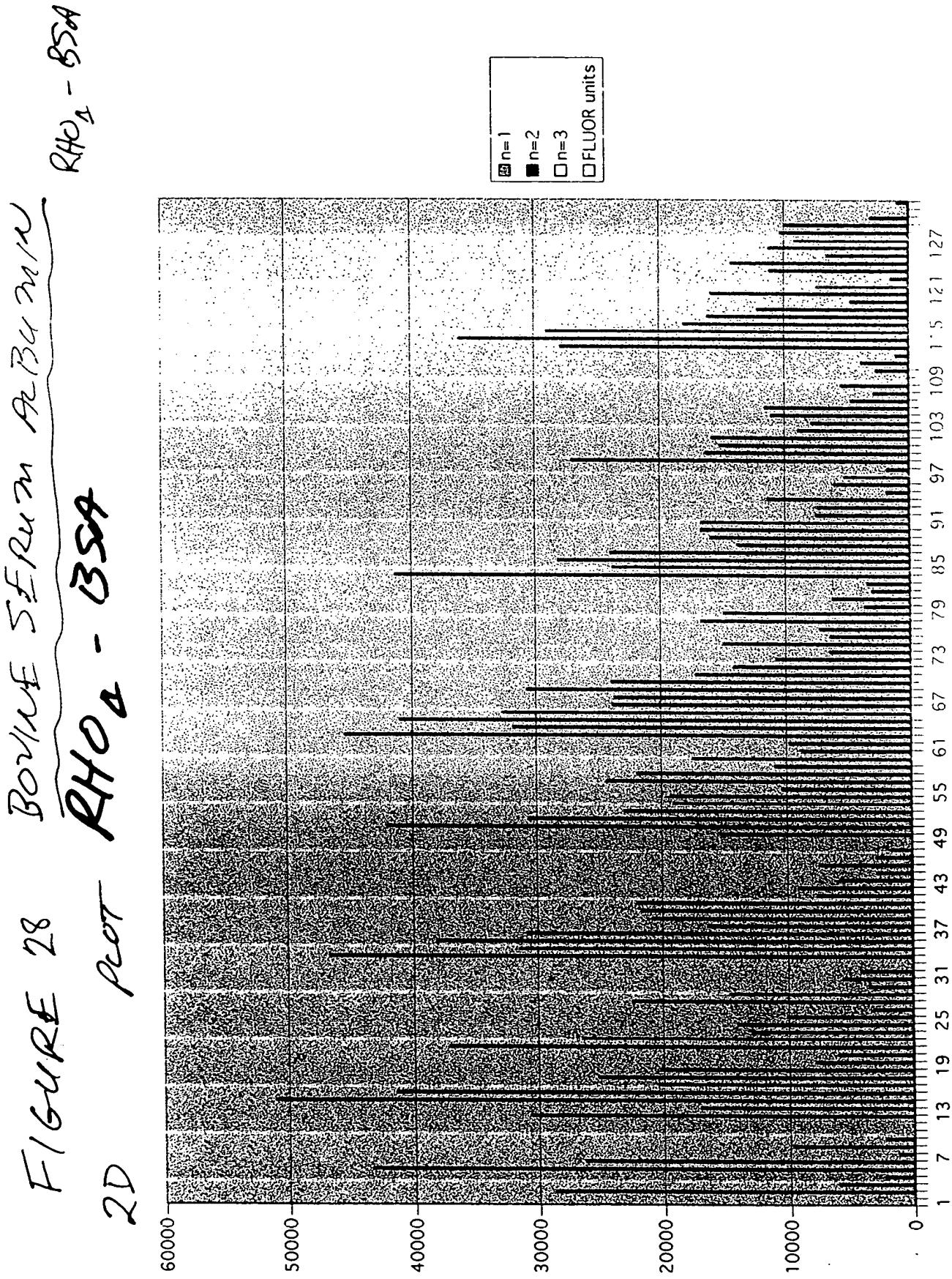


FIGURE 29
3D , ρ_{07} $N=9$ $n=1$, $n=2$, $n=3$ COMBINATIONS RHO1-BSA/SA

B5A

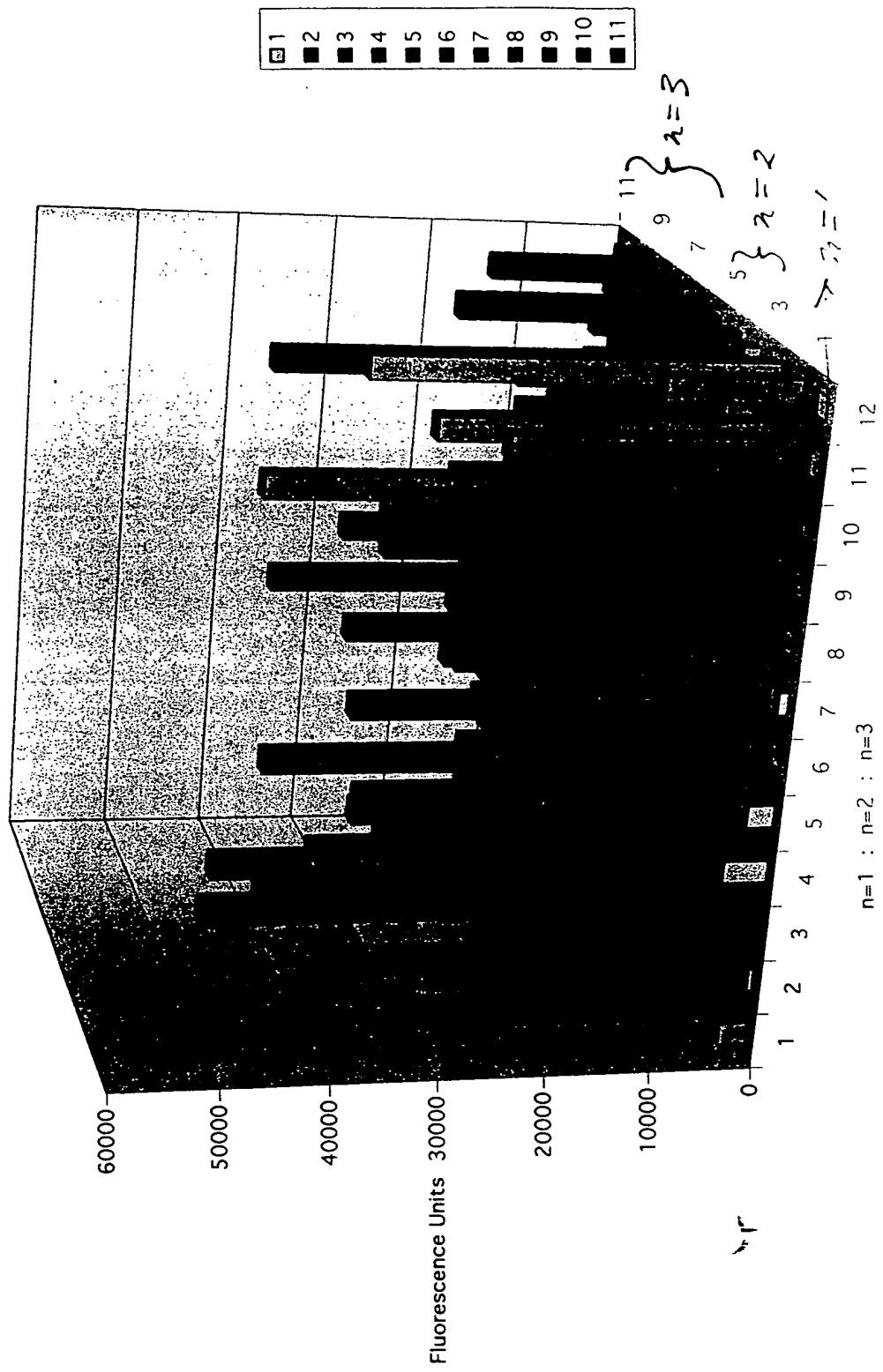


FIGURE 30
2D CORRELATION PLOT $H_{\text{eff}} - \mu_c$ "1.0 x"

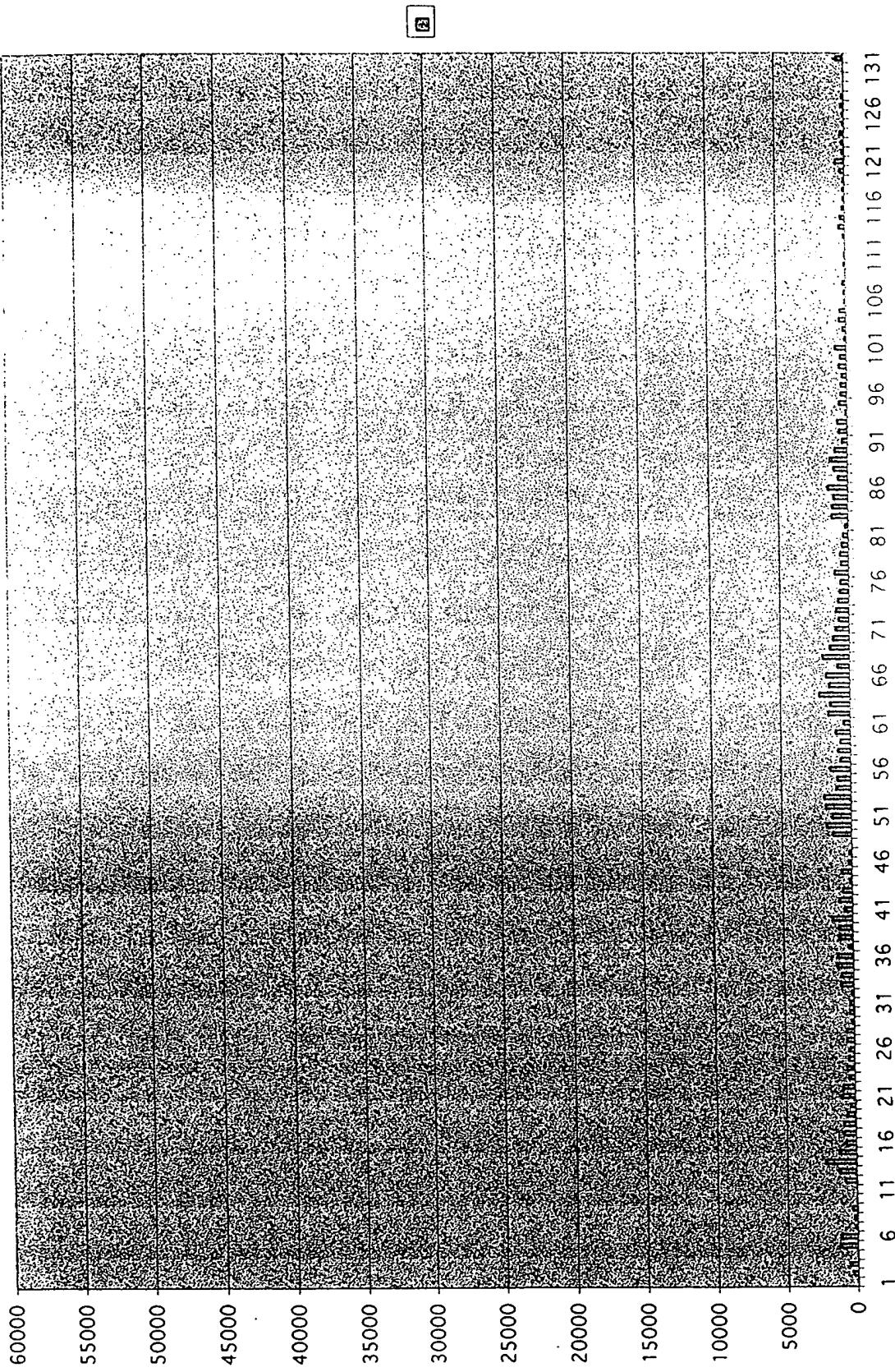


FIGURE 31
3D plot

$N=9$ $n=1$, $n=2$, $n=3$ COMBINATIONS HRP-NH-Ac

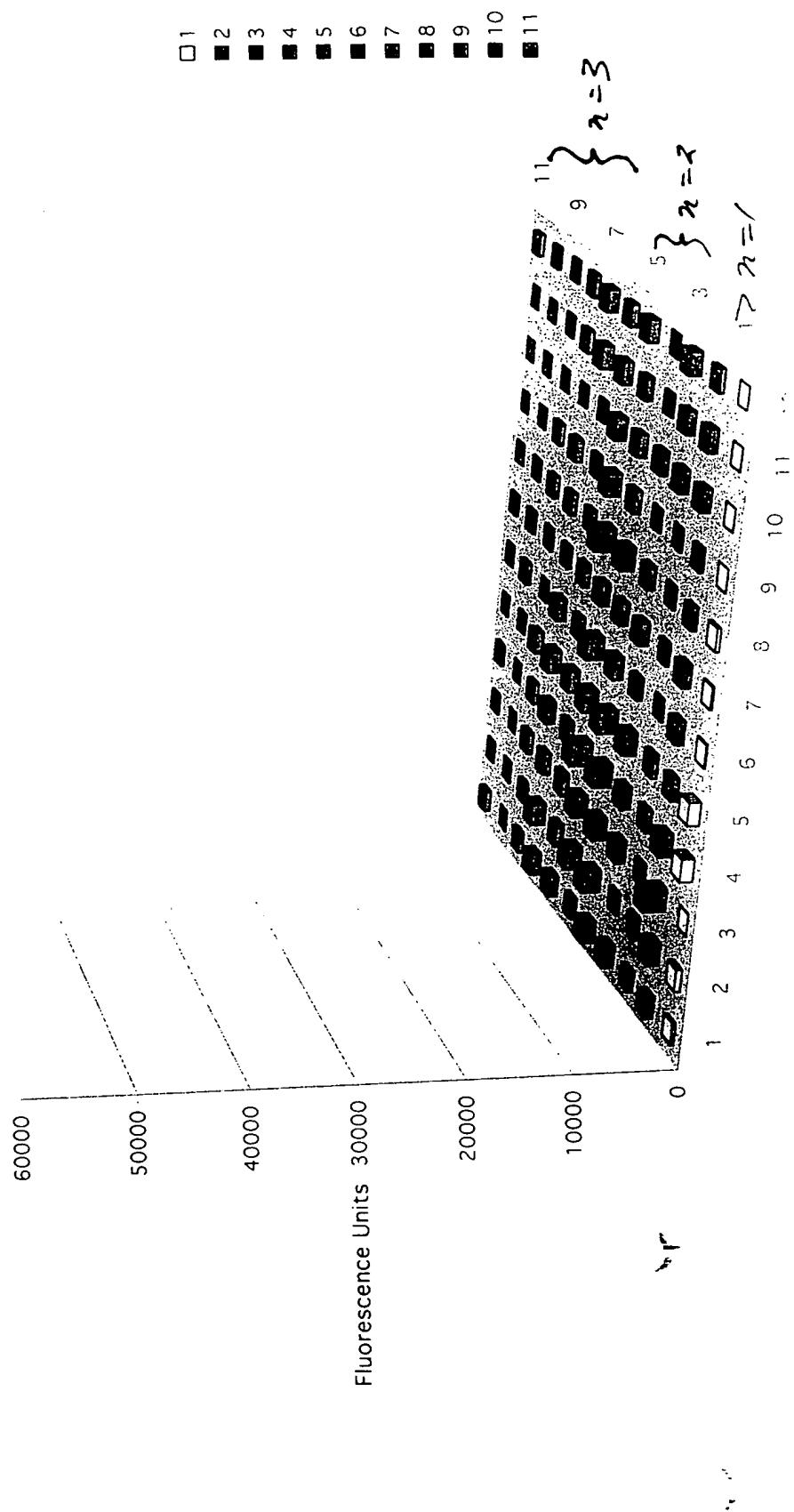


FIGURE 32
2D
Prot HEP-TcDD
HRP-TcDD

HEP-TcDD

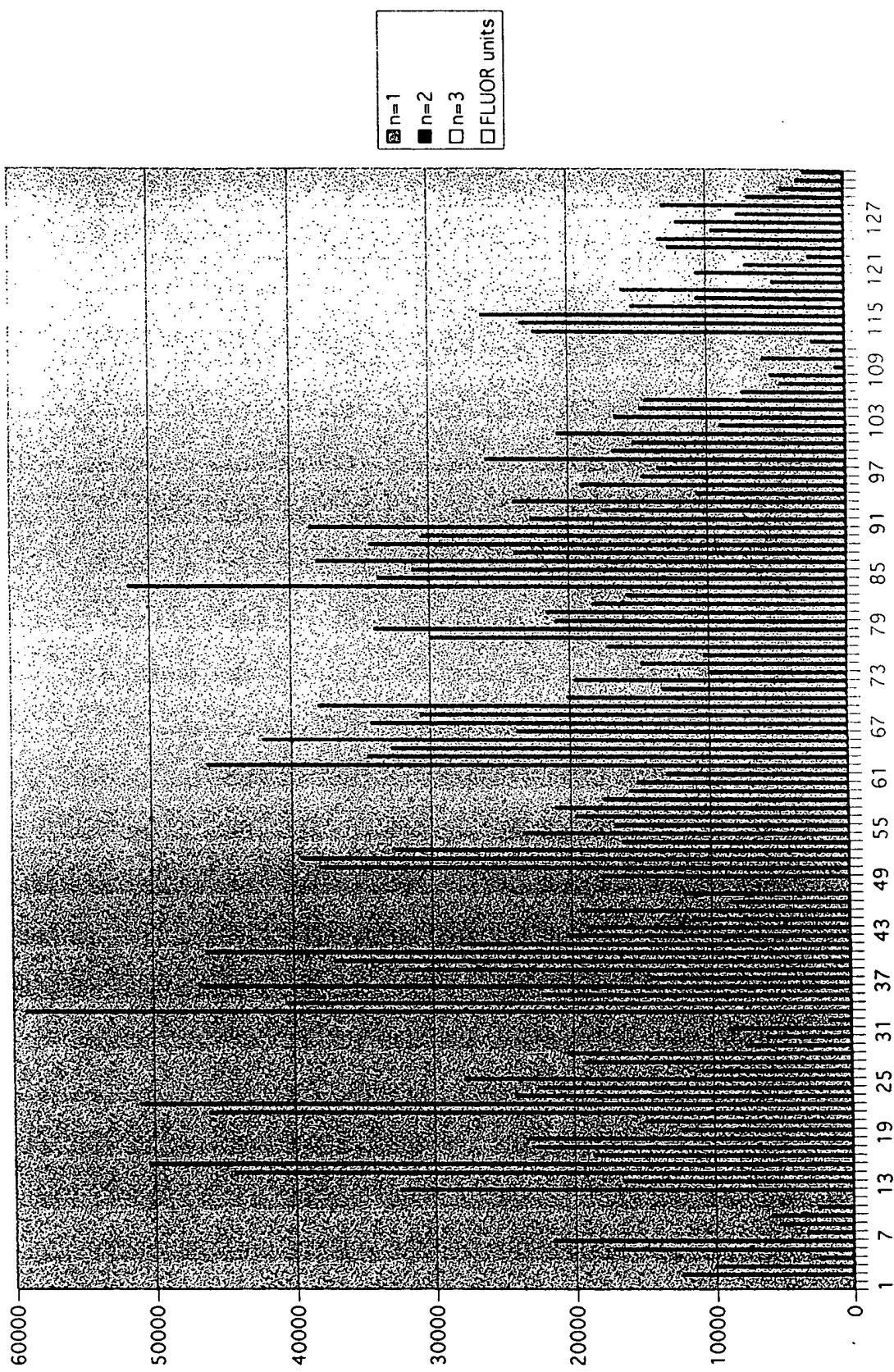


Figure 33
3D plot

$N=9$ $n=1$, $n=2$, $n=3$ COMBINATIONS HRP-PCDD

HRP-TCDD

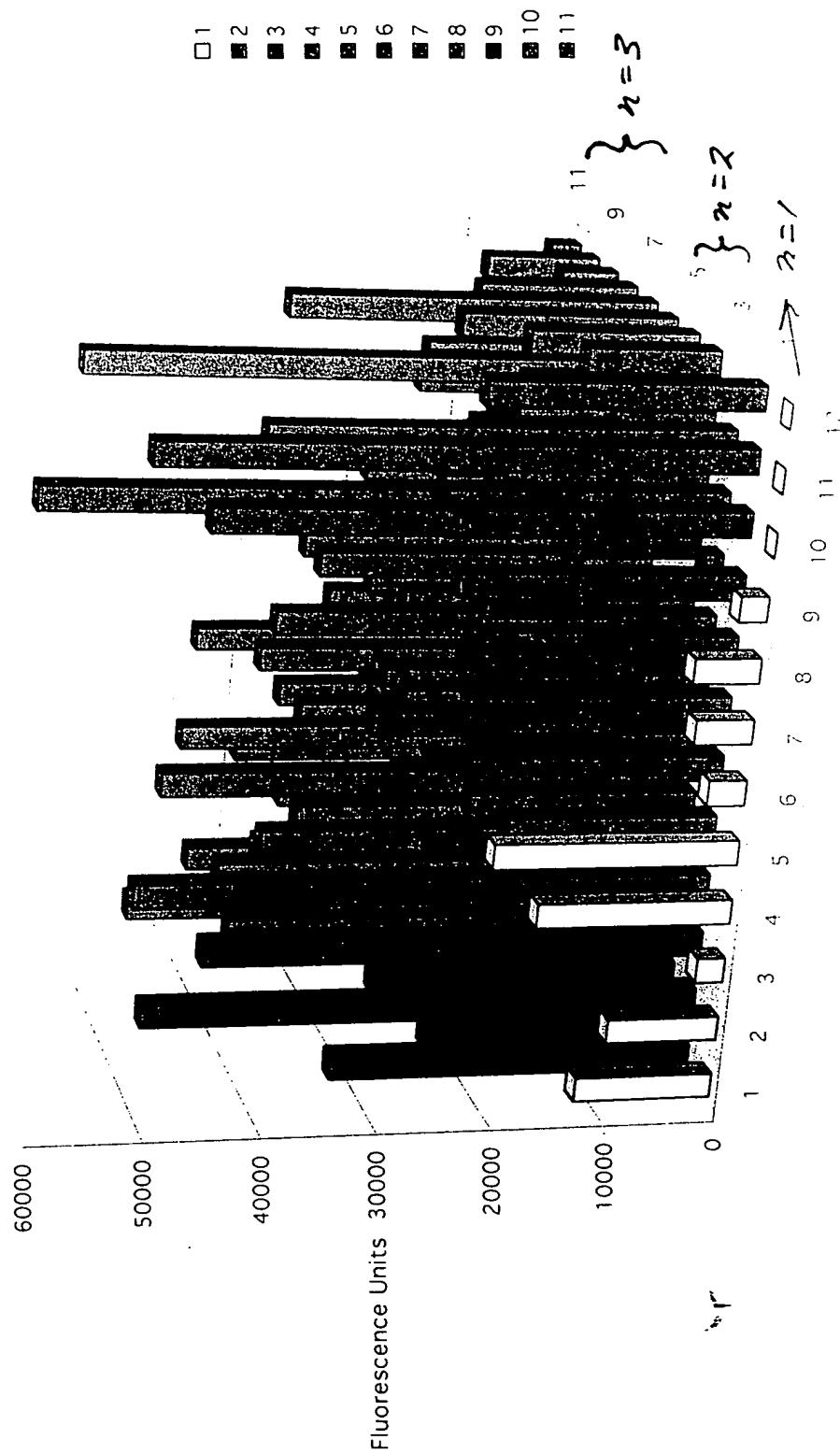
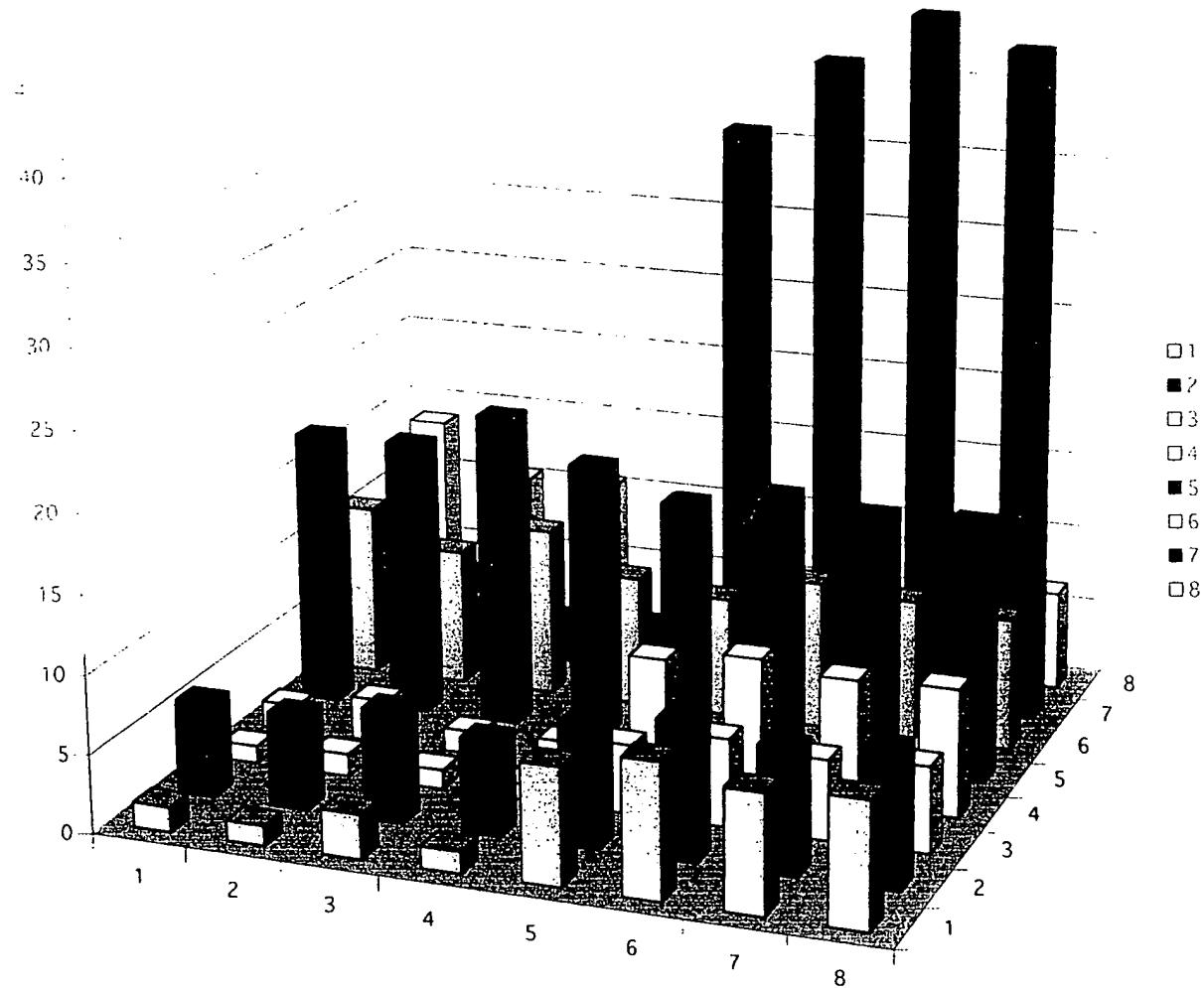


FIGURE 34 BLOCK 8 DATA PLOT.

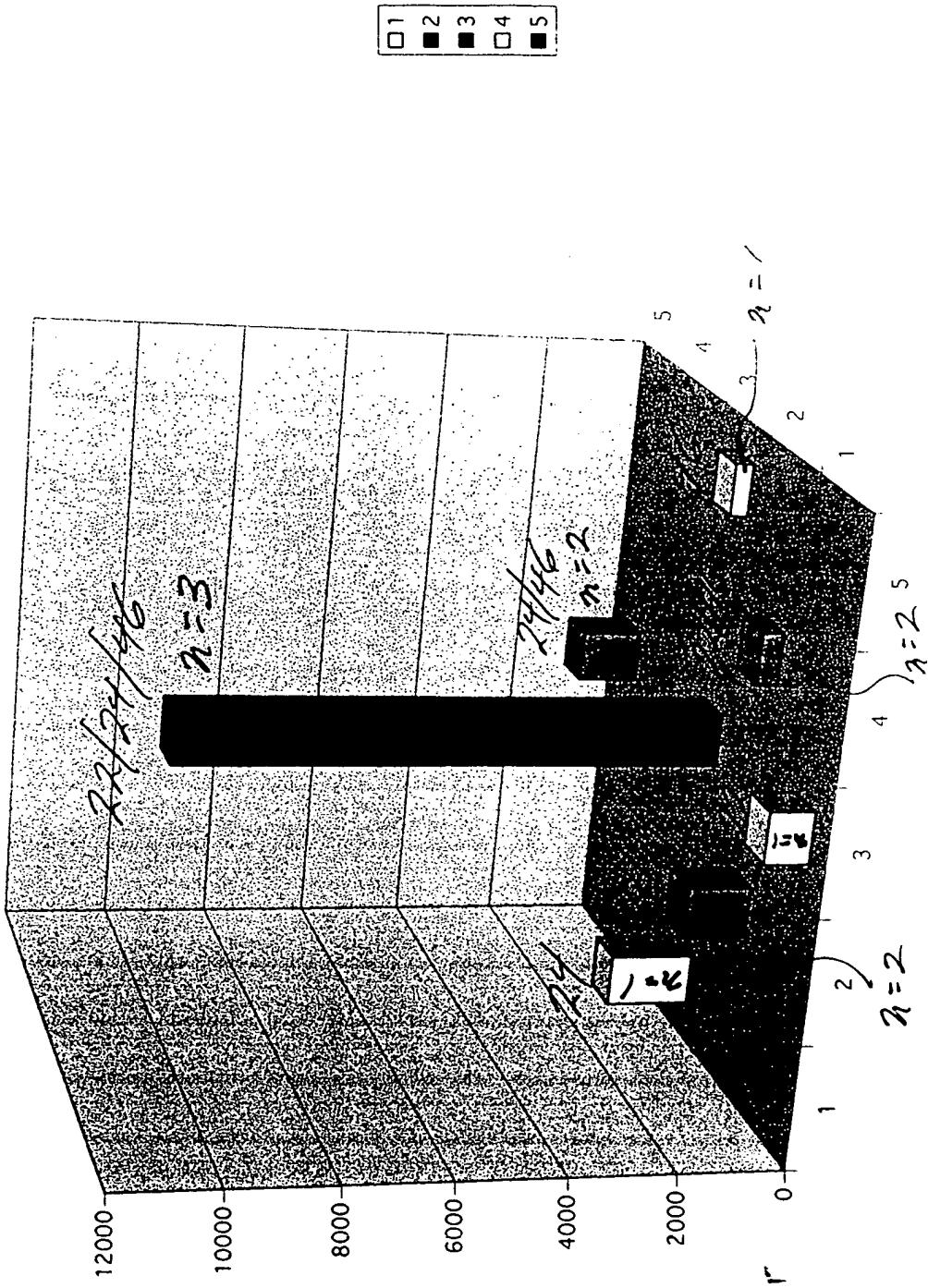


$\beta = 3$

22/21/46

Figure 35 R - PHICO DATA:

COMPARISON OF $n=1$, $n=2$, $n=3$



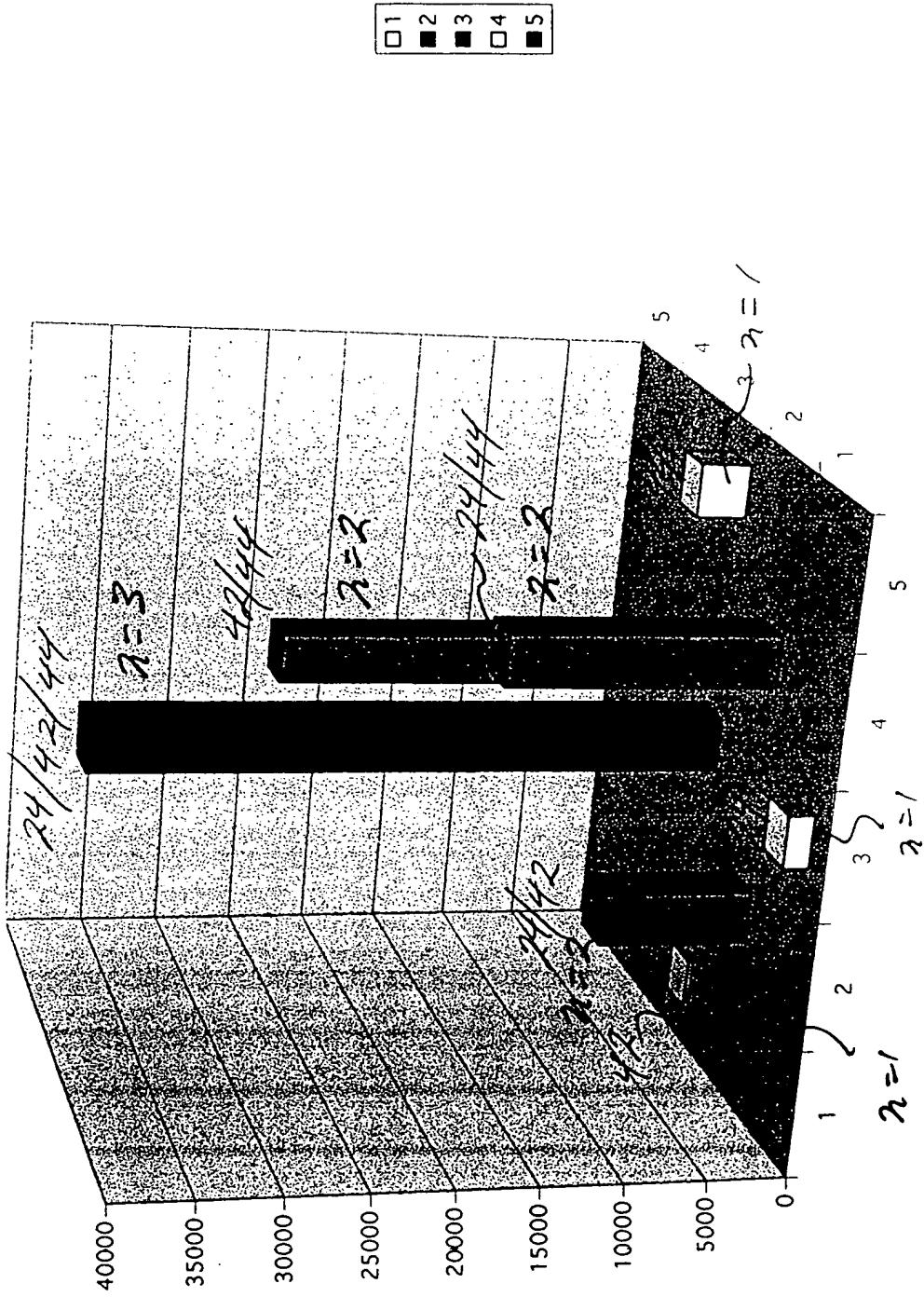
Note: "22" REFERS TO $\sum_{x=2}$, etc.

FIGURE 36

$R - \rho_{HCC}$ DO-D₂

$\int \frac{R^2}{\rho_{HCC}} dR = \frac{R^3}{3} / \rho_{HCC}$

COMPARISON OF n=1, n=2, n=3

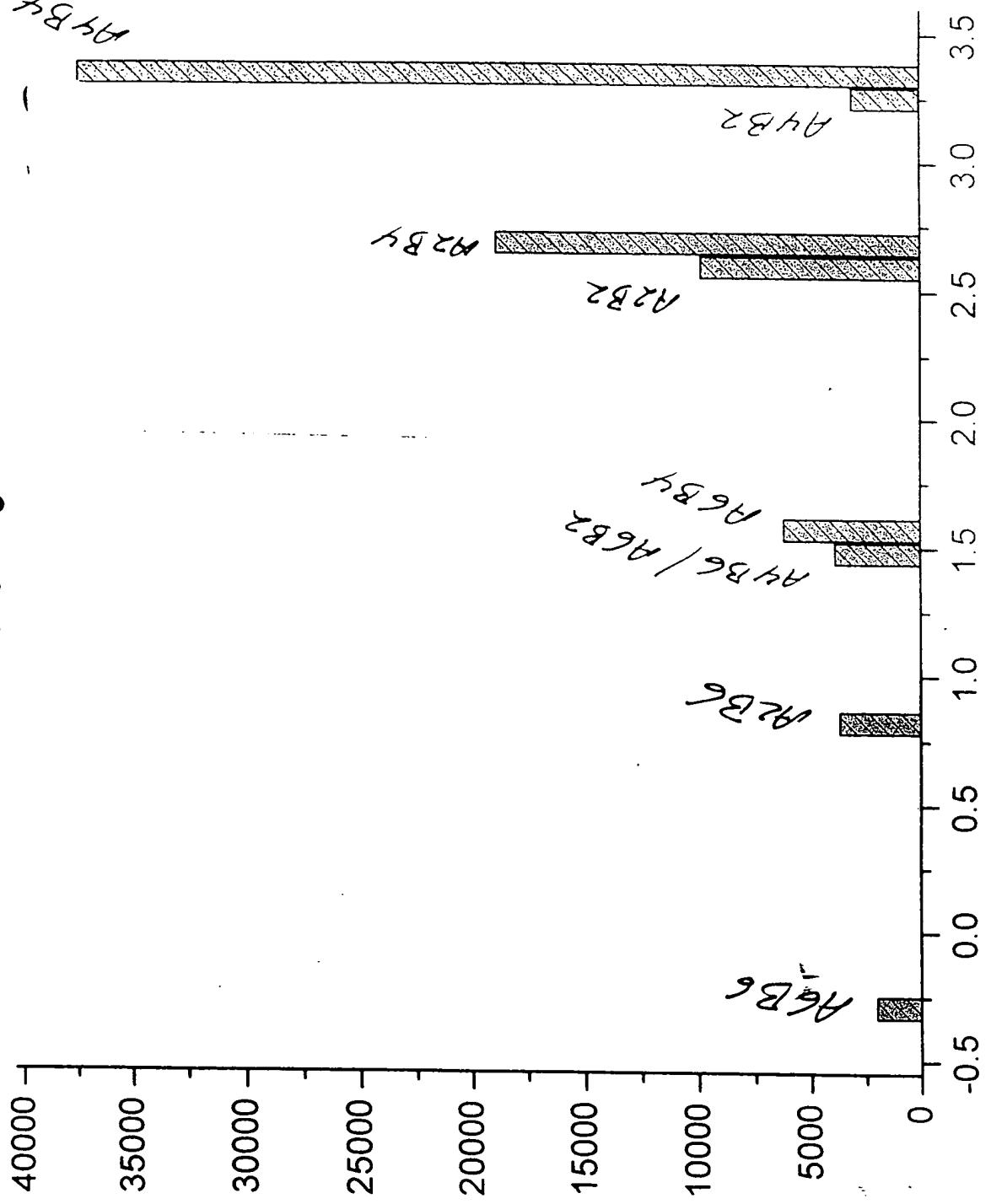


NOTE: "24" REFERS TO {2-4}, etc.

FIGURE 37 $\log P$ versus Building for $n=1$ systems.

B

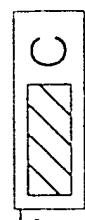
$$N=7: n=1$$



Fluorescence Counts

$\log P$

Figure 38 Log P Versus Binding C
For $n = 2$ Syntex 5.



R-PHYCO

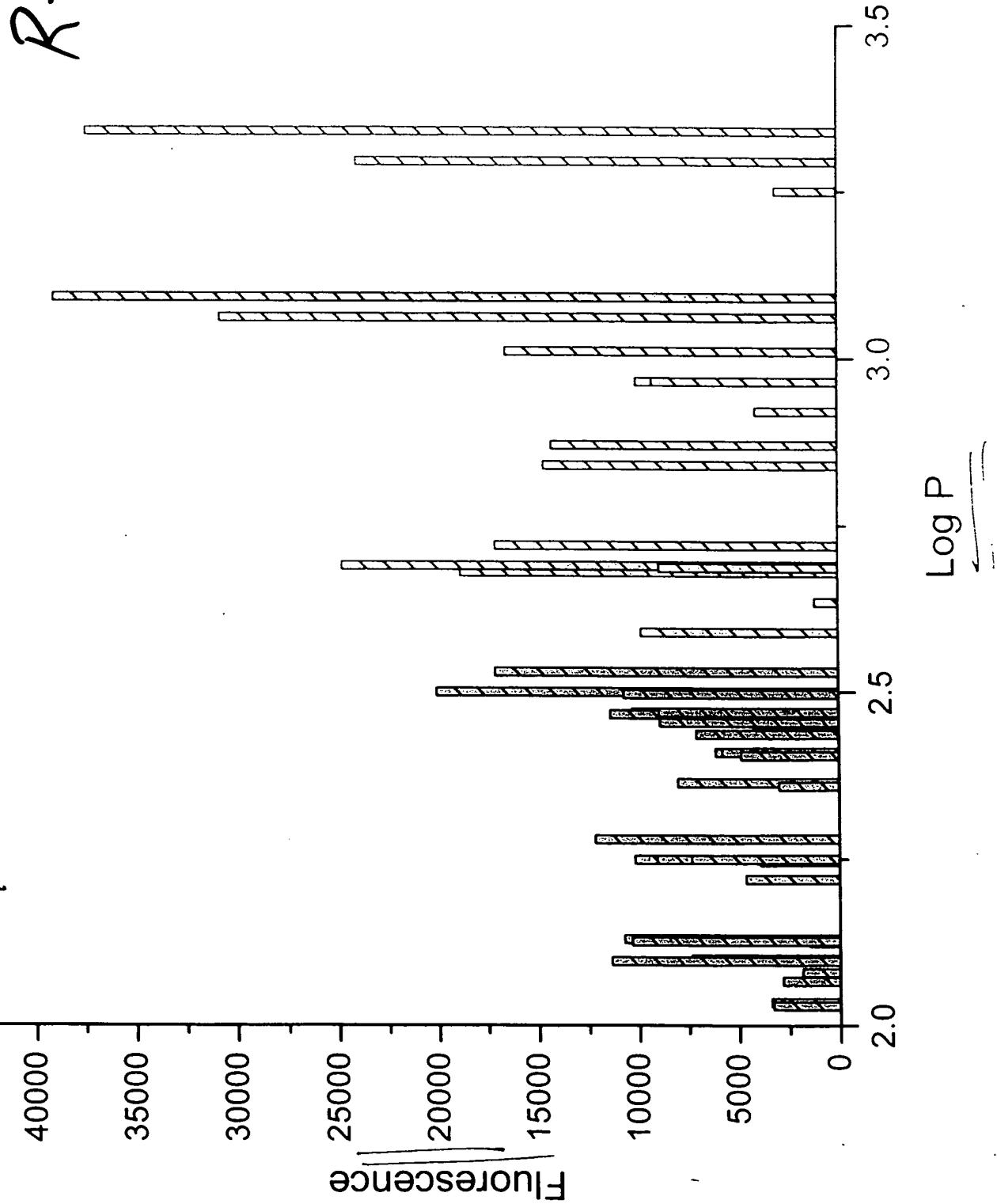


FIGURE 39 COMPARISON OF R-PHYC AND B500 BENDS.

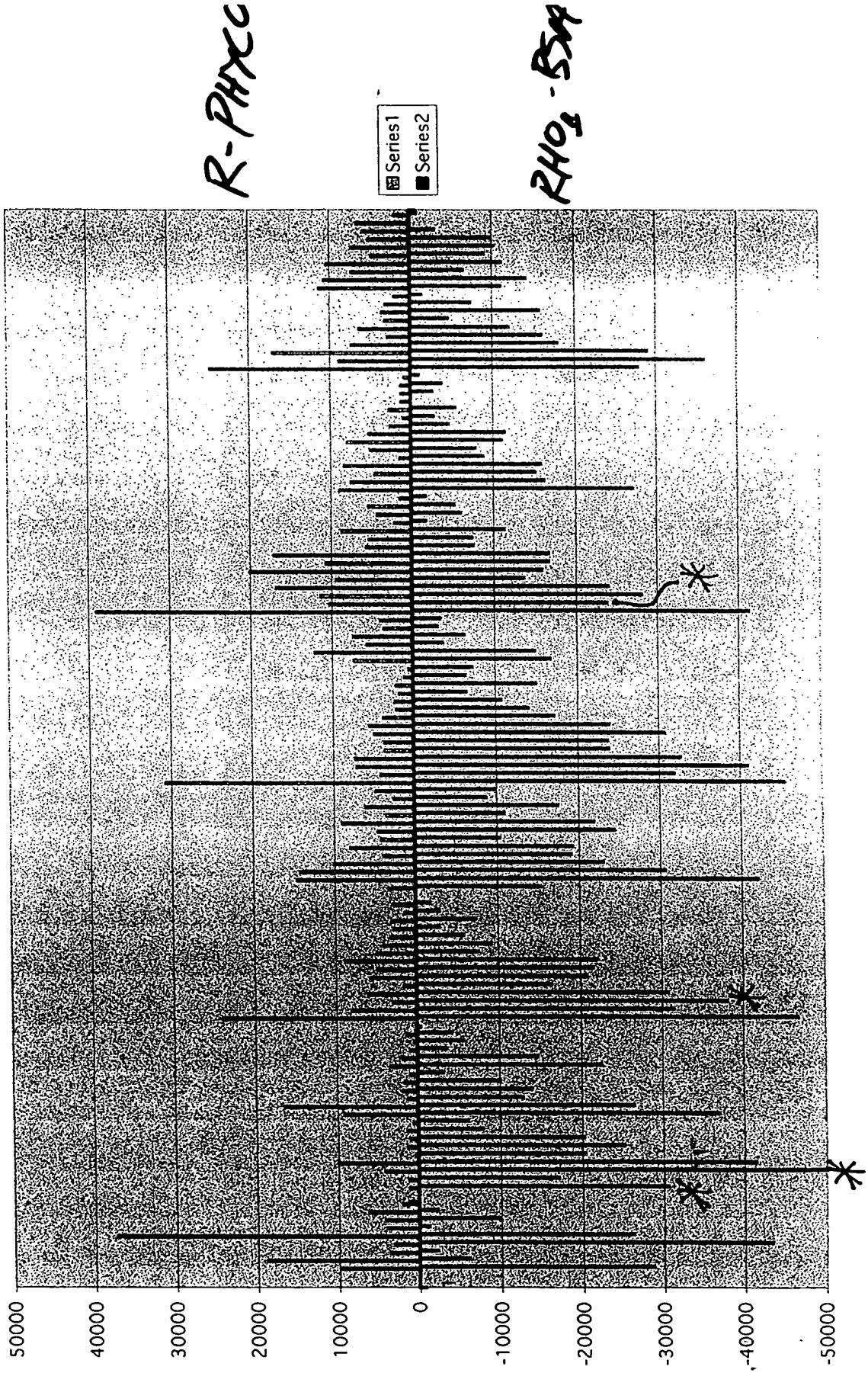
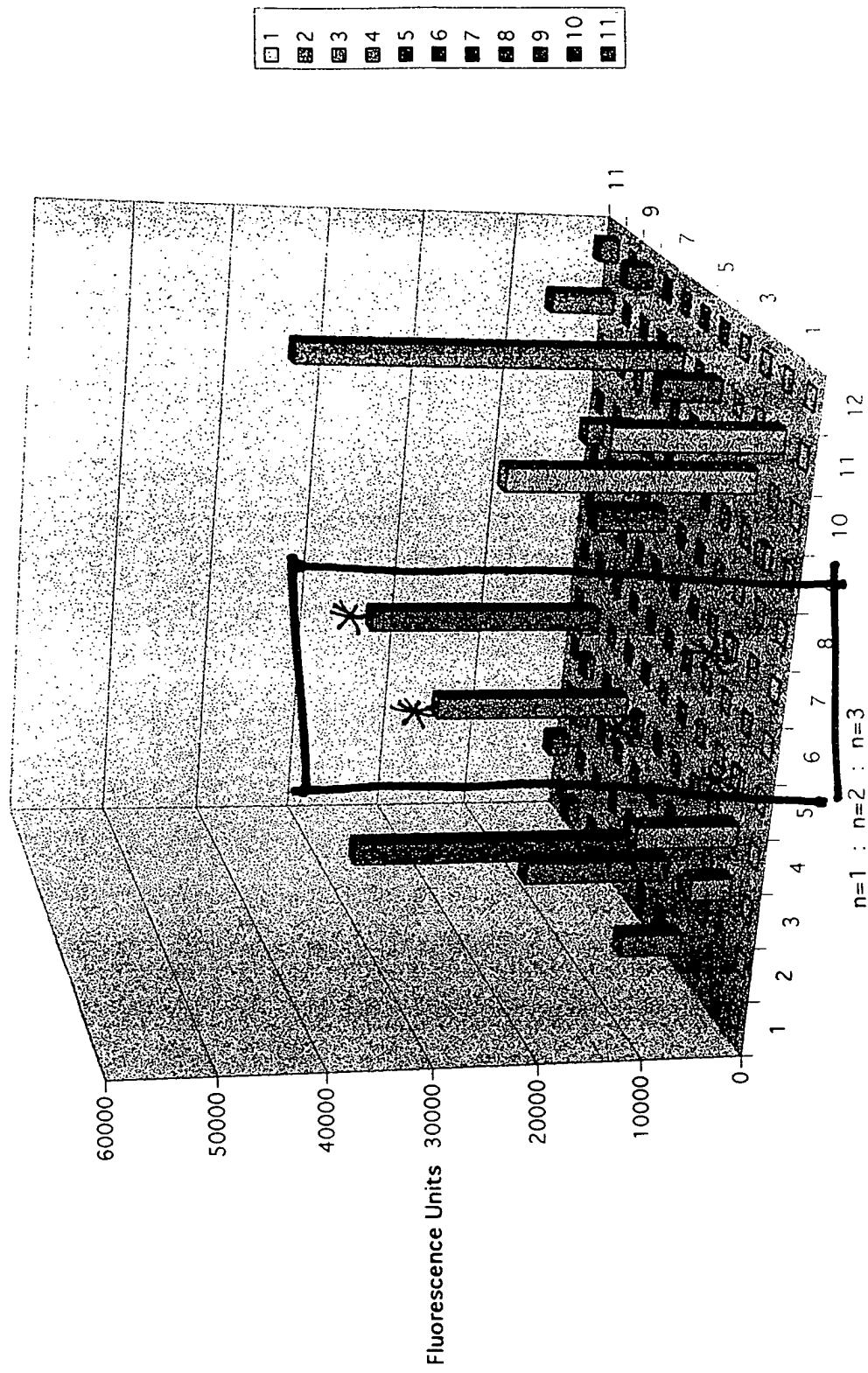


FIGURE 40 SELECTED BINDING: PHYCOERYTHRIN

N=9 n=1, n=2, n=3 COMBINATIONS r-PHYCO



BSA

Figure 41 Selected Breeder:

N=9 n=1, n=2, n=3 COMBINATIONS BSA/bioterrorism

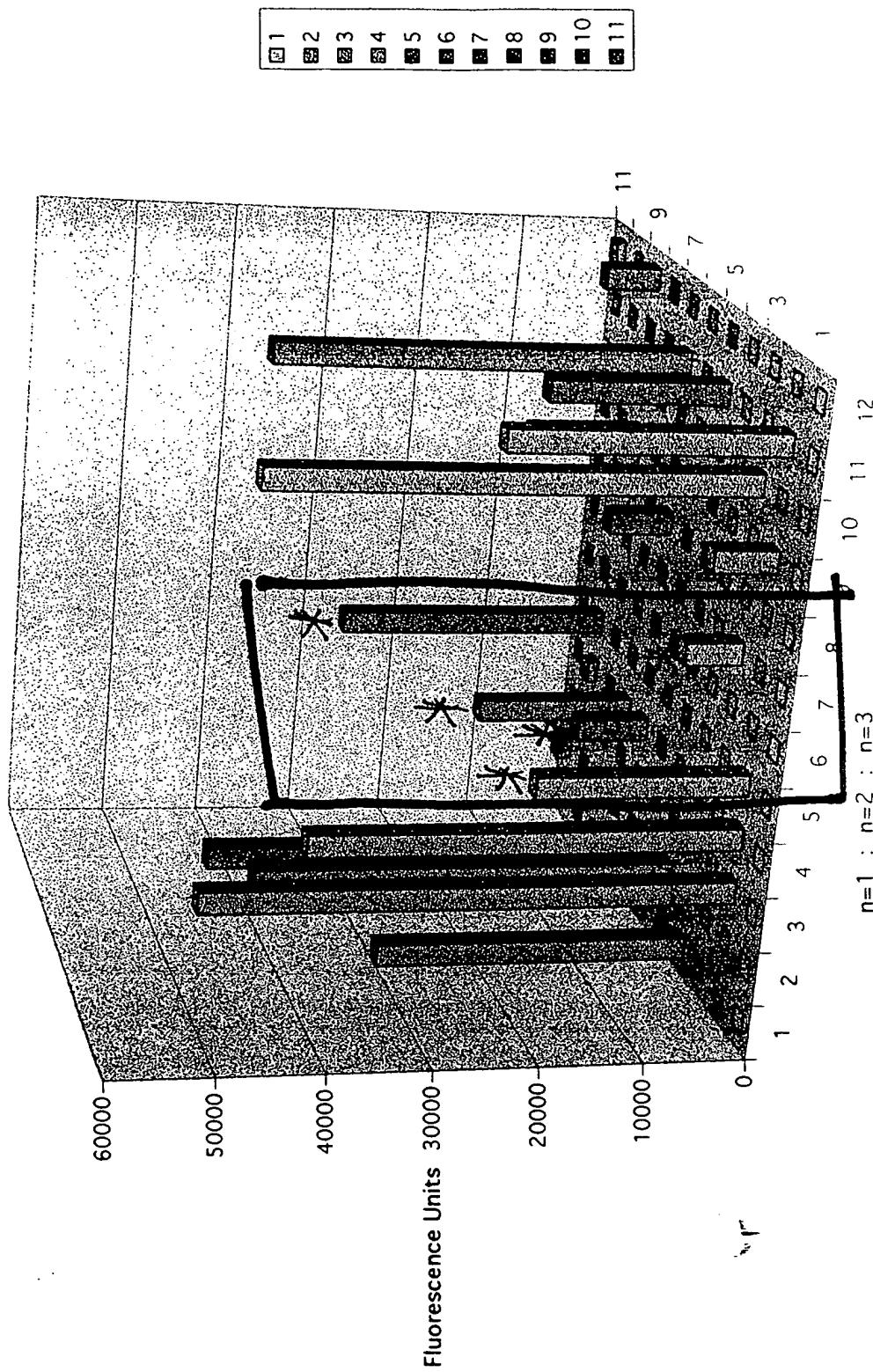


Figure 42 Selected Breeds: over Burner

N=9 n=1, n=2, n=3 COMBINATIONS OVAL 1/bioterrorism

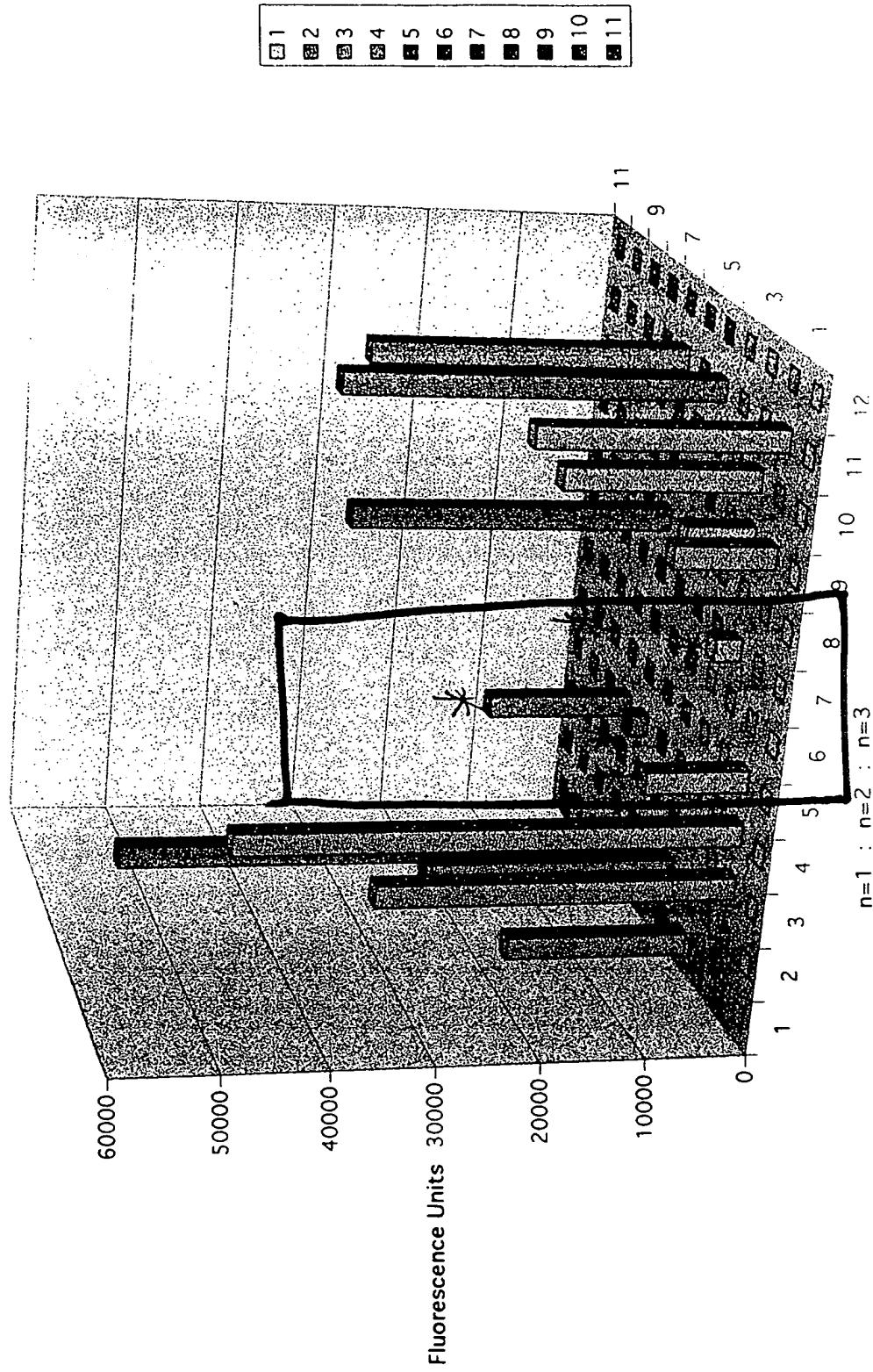
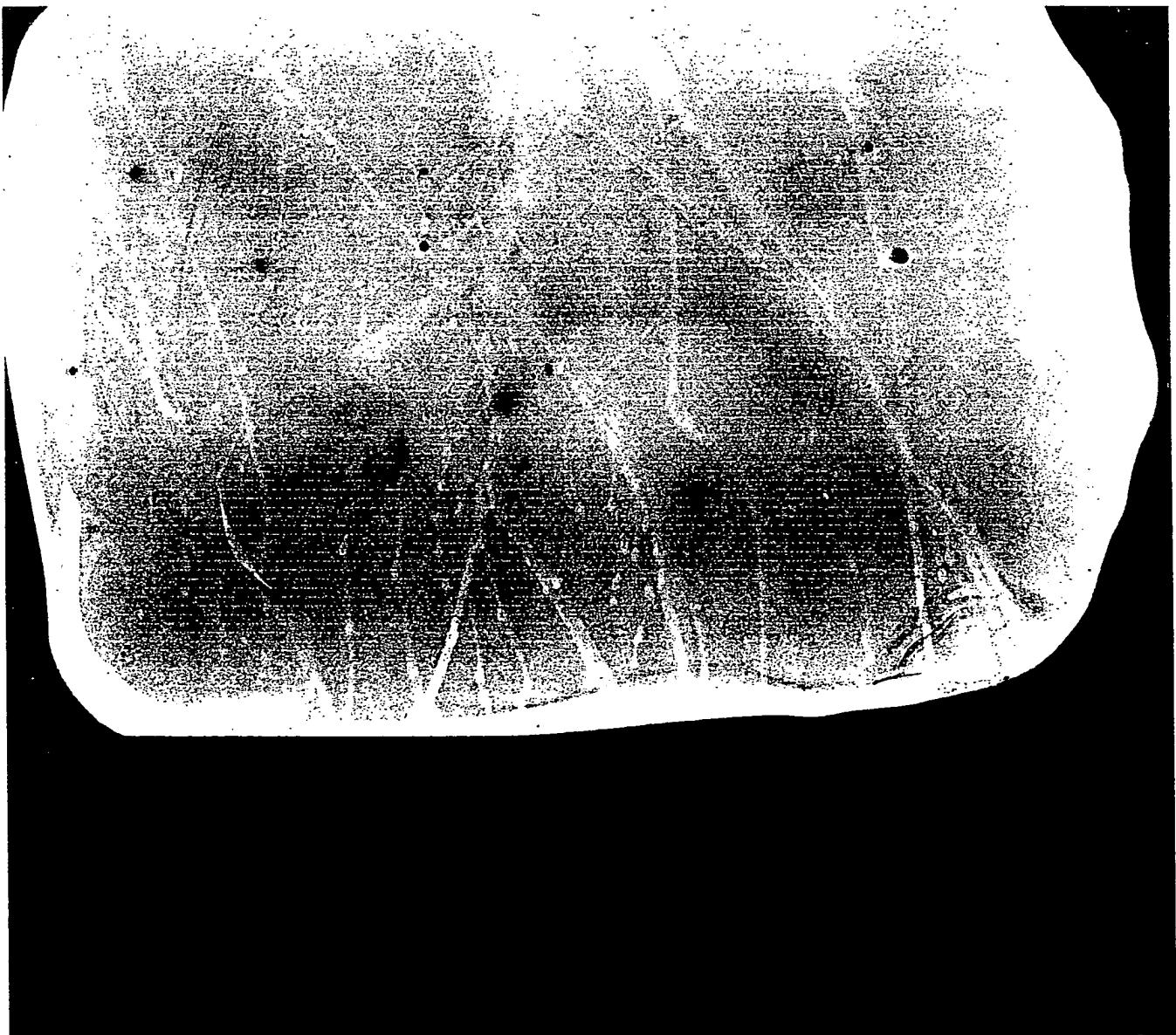


FIGURE 43

GenePix Image - Wavelength 635

File name = 2004-03-29_0860.tif
Date = 2004/03/29 14:30:04
Origin = 4, 0 pixels
(0.04, 0 mm)
Size = 2180 x 1368 pixels
(21.8 x 13.68 mm)
Scaling = 10 μ m/pixel
Scanner = GenePix 4100A (I (9248x))
Nr averaging:
PMT Gain=64
Laser Power=100%
Normalization Factor=1
Filter=GTCB43
Focus Position=0

43,000



2004/03/29 14:36:12

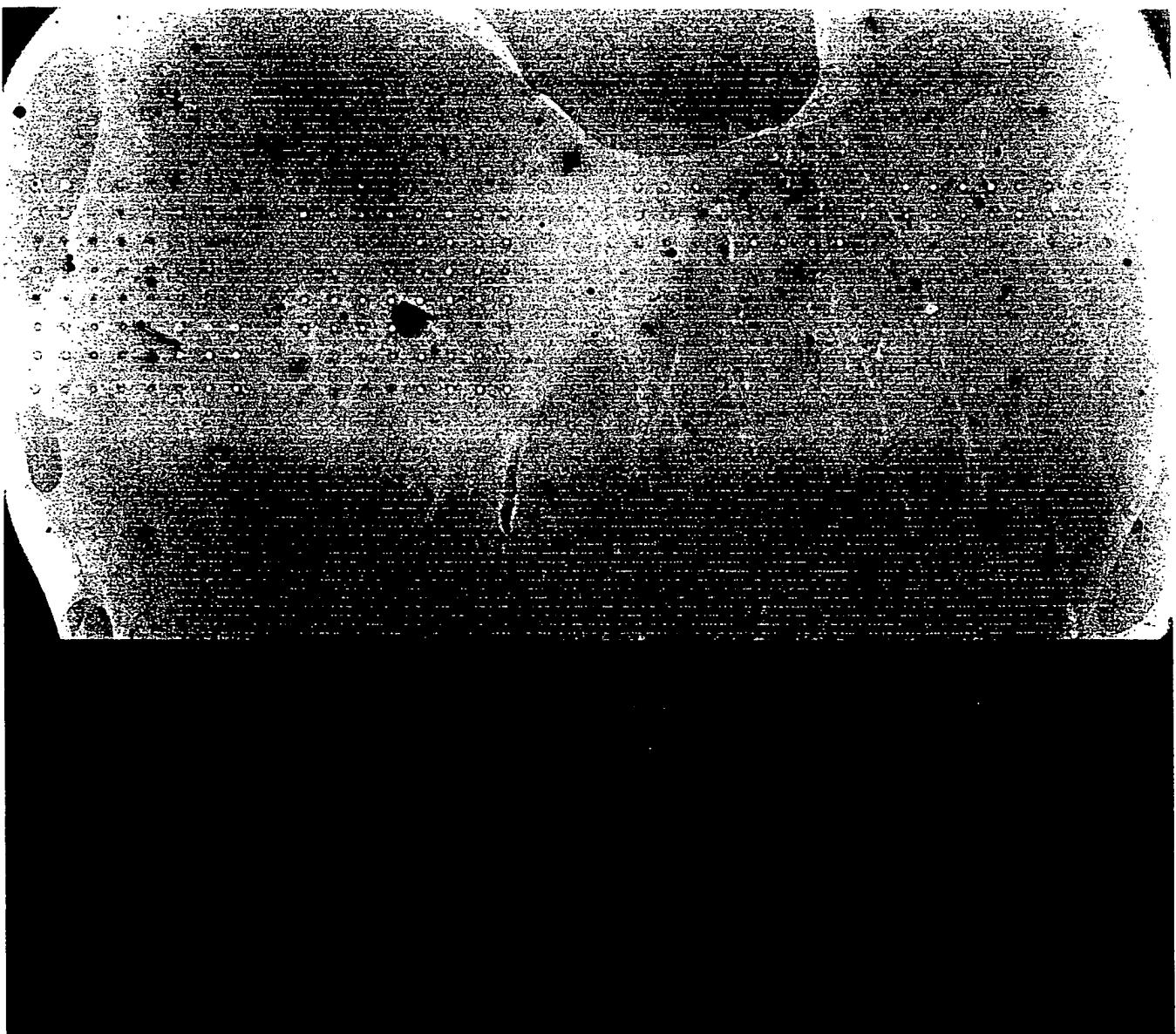
10/04. W11.0 LHO5 171.005.14112

GenePix Image - Wavelength 635

File name = 2004-03-29_0854.tif
Date = 2004/03/29 12:31:45
Origin = 4, 0 pixels
(0.04, 0 mm)
Size = 2180 x 1068 pixels
(21.8 x 10.68 mm)
Scaling = 10 μ m/pixel
Scanner = GenePix 4100A 01 (8)
No averaging.
PMT Gain=100
Laser Power=100
Normalization Factor=1
Filter=F711F45
Focus Position=0

bg = 42,000

FIGURE
44



2004/03/29 14:40:29

1015.C 1.0 "HDS"

DIC

FIGURE

GenePix Image - Wavelength 635

45

File name = 2004-03-29_0861.tif
Date = 2004/03/29 15:40:20
Origin = 4, 0 pixels
(0.04, 0 mm)
Size = 2180 x 1368 pixels
(21.8 x 13.68 mm)
Scaling = 10 $\mu\text{m}/\text{pixel}$
Scanner = GenePix 4000A (1.000x)
N. averaging:
EMT Gain=5.0.
Exposure Time:
Normalization Factor: 1
Filter=670DF40
Focus Position=0



2004/03/29 16:27:10

1122 FL 1010L 10 1100 70C WATER)

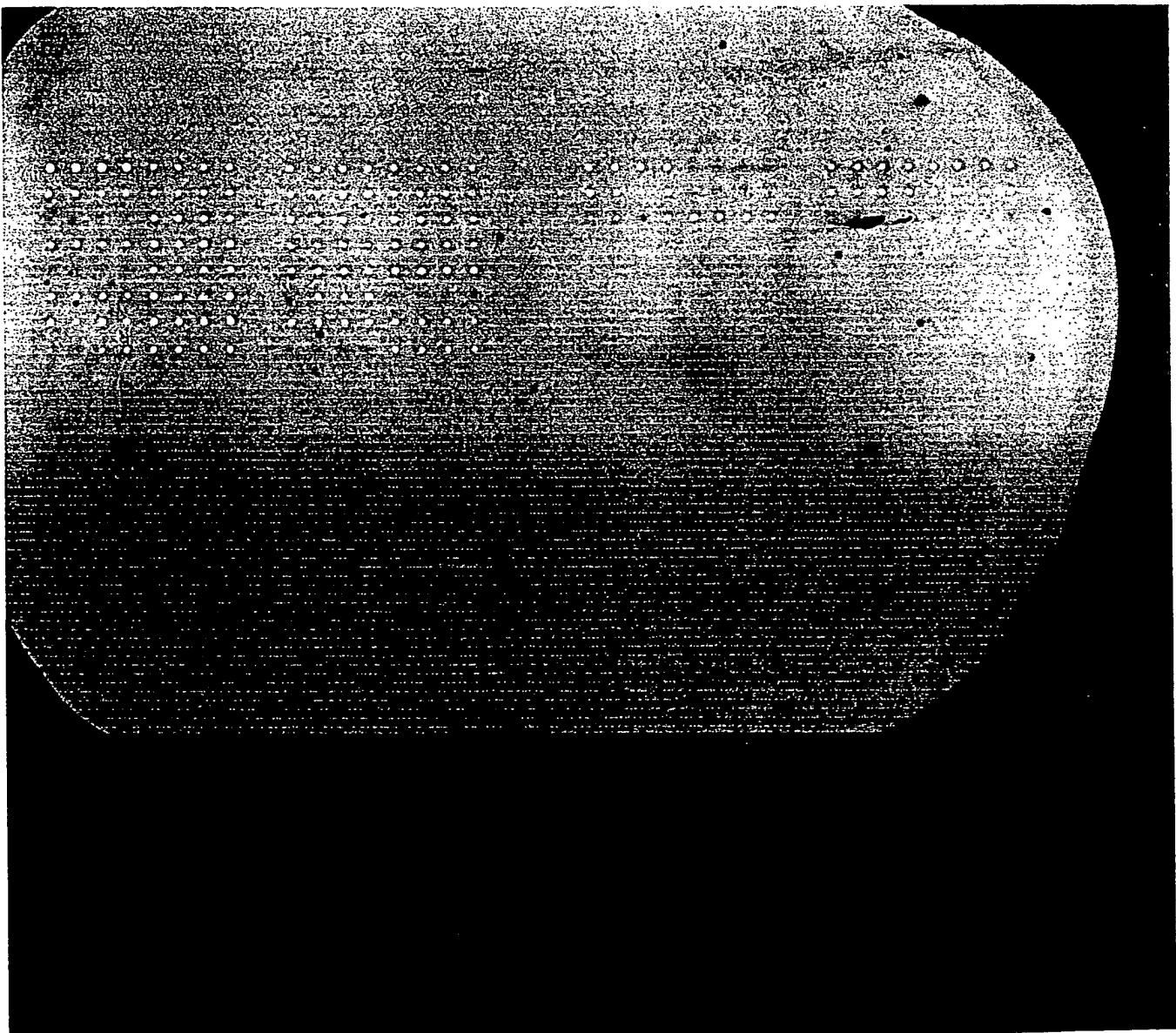
GenePix Image - Wavelength 635

File name = 2004-03-29_0863.tif
Date = 2004/03/29 15:48:56
Origin = 4, 0 pixels
(0.04, 0 mm)
Size = 2180 x 1368 pixels
(21.8 x 13.68 mm)
Scaling = 10 μ m/pixel
Scanner = GenePix 4100A ... (82696)
N^o averaging.
DMT Gain=560
Laser Power=100
Normalization Factor=1
Filter=670DF40
Focus Position=0

by: 38,000

PIVOT: 25,000

| FIGURE
46

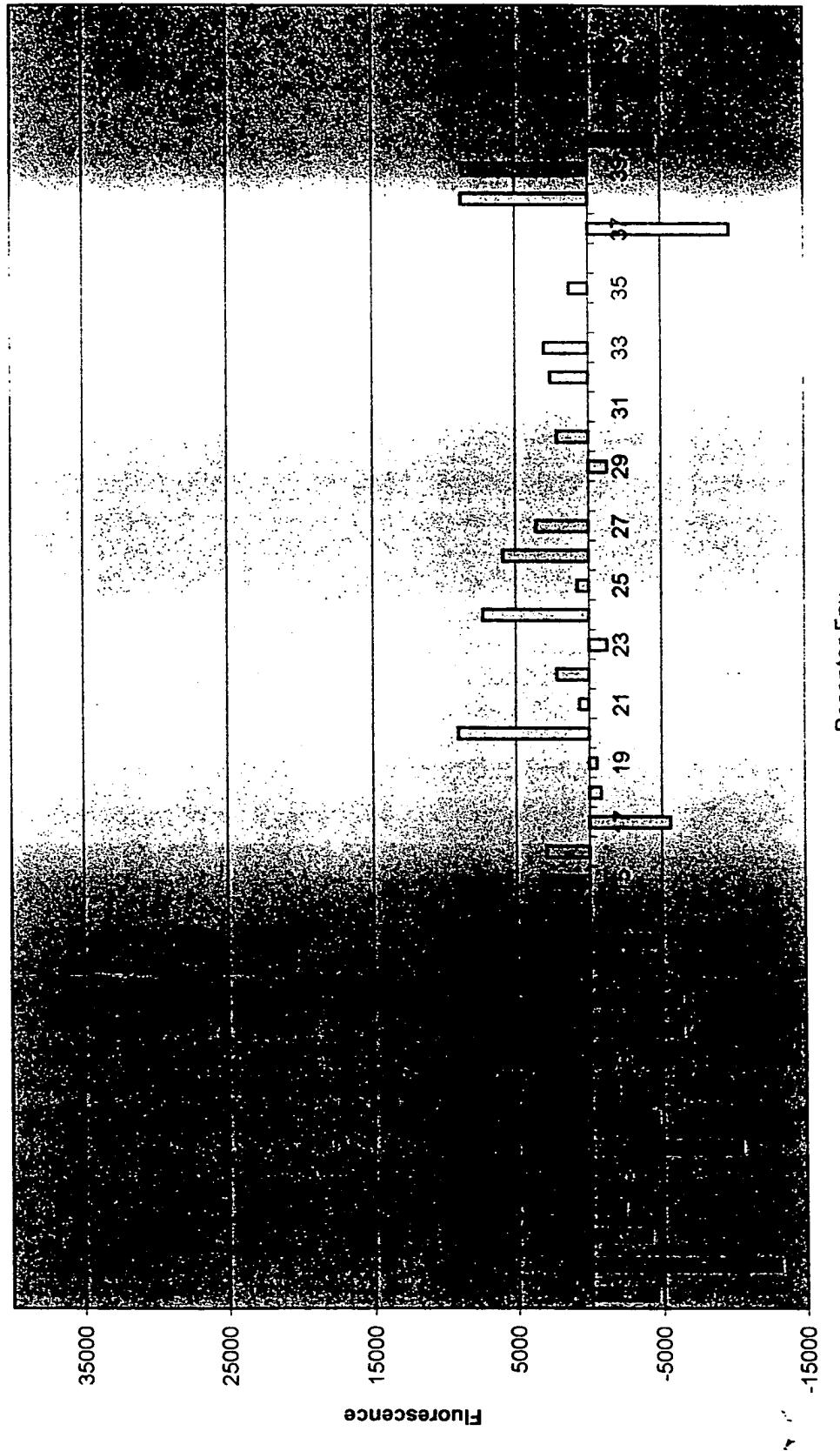


2004/03/29 16:55:30

90-53-6 | 03/29

L Figure 47

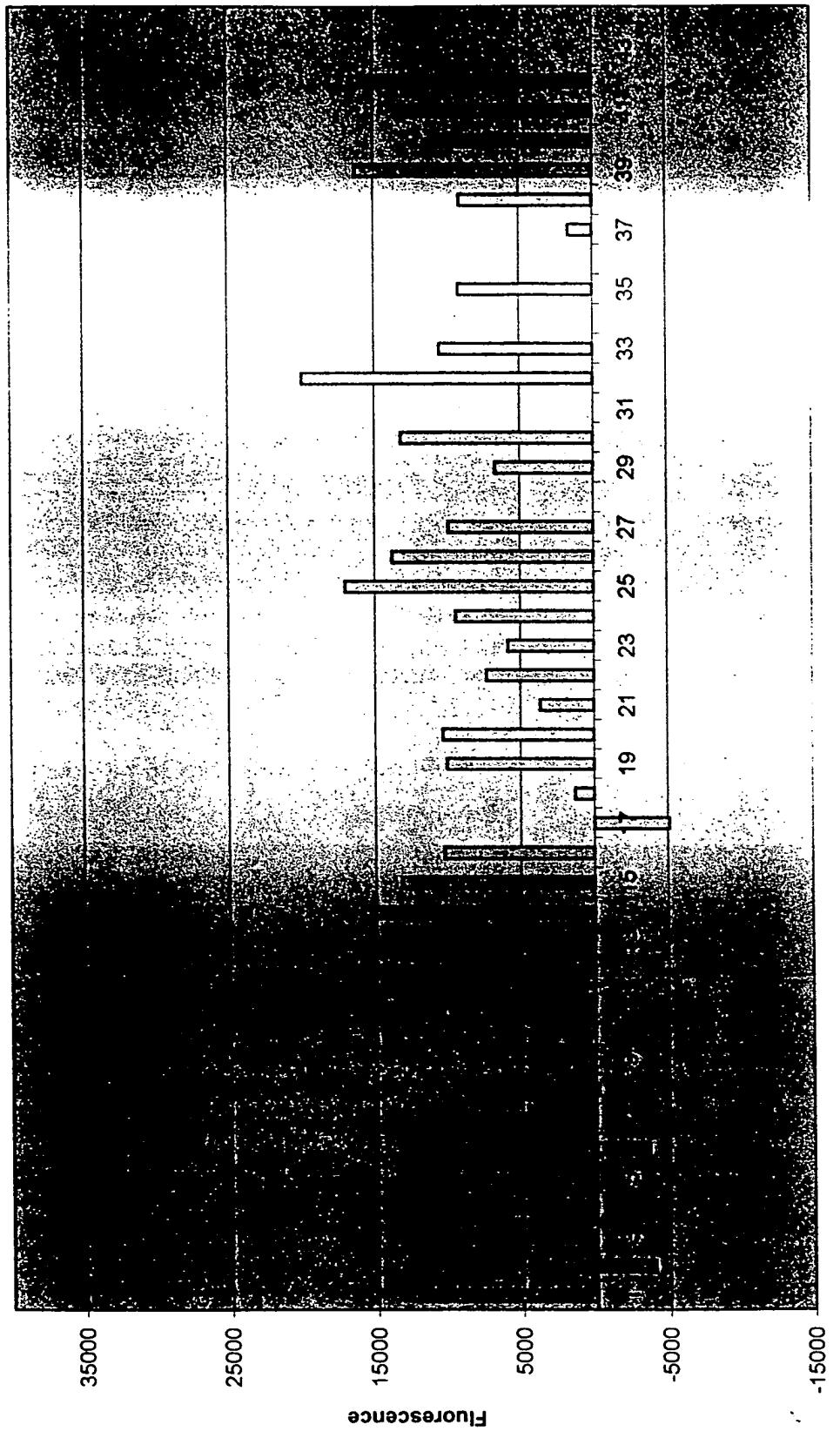
CARA DYNAMIC C18 / B.C. 1.0 CHO3 3C (N9n2, img 03-29-0861, PMT 600)



99-52-4) 03/29

1 F16 were 48

CARA DYNAMIC C18 / B.C. 1.0 CHO3 23C (N9n2, img 03-29-0854, PMT 600)

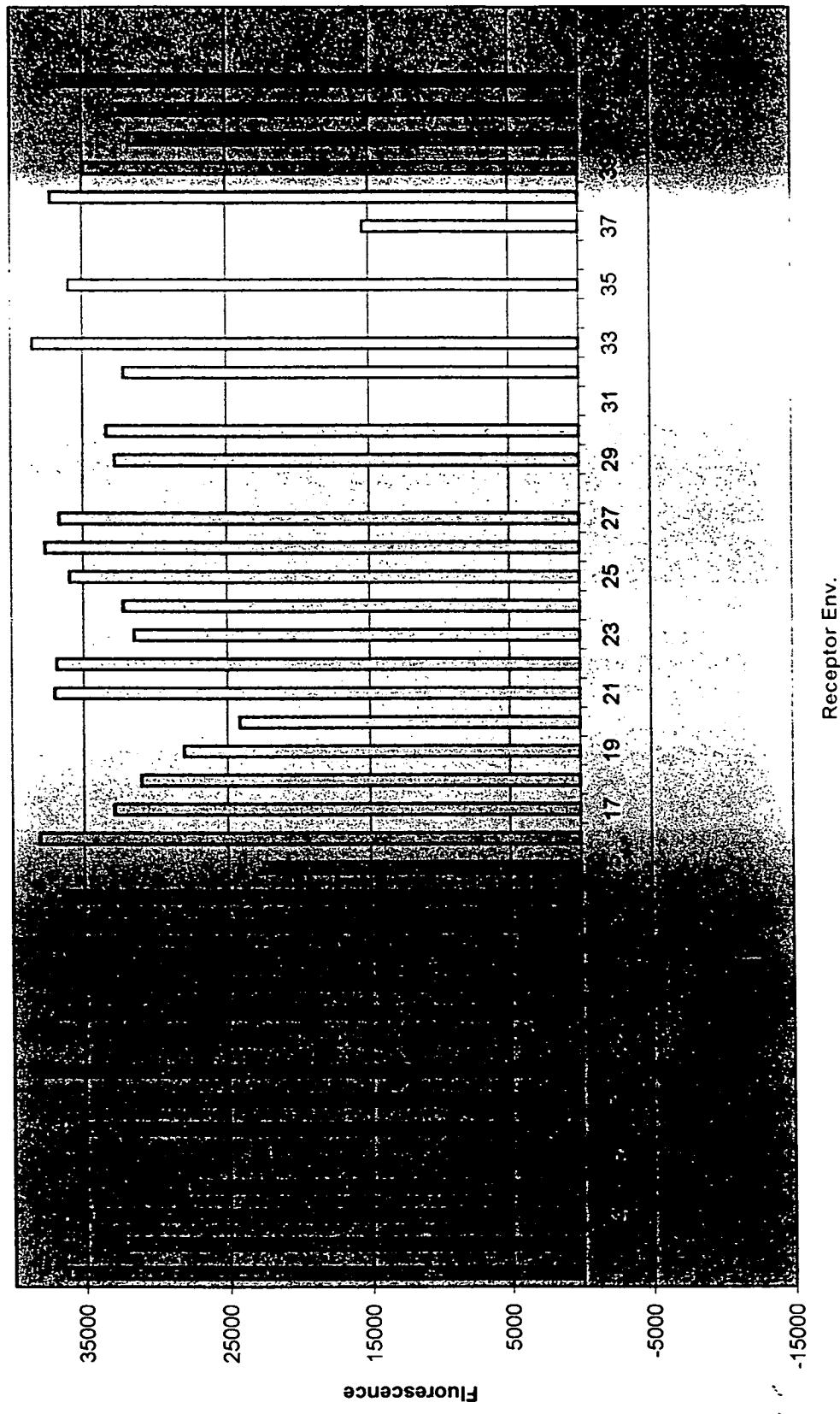


Receptor Env.

99-53-71 03/29

F/5 0865 49

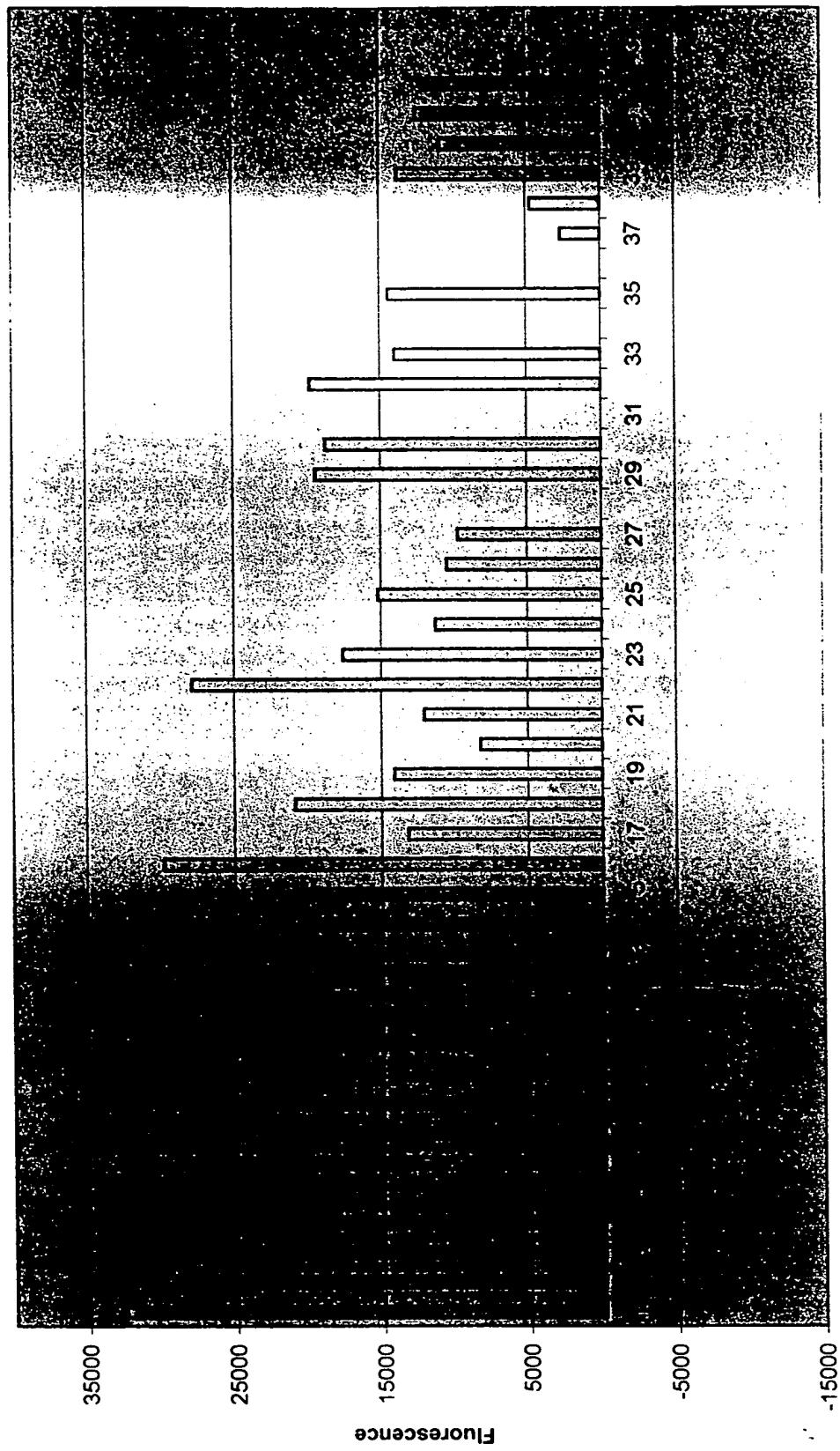
CARA DYNAMIC C18 / B.C. 1.0 CHO3 43C (N9n2, img 03-29-0863, PMT 560)



99-52-5 | 03/29

F16 11052 50
5762 77C

CARA STATIC 1.0 CHO2 23C (N9n2, img 10-09-0048, PMT 590)



Receptor Env.

99-54-1] 03/29

Figure 51

CARA DYNAMIC Incubation Temperature with 1.0 CHO3

